



PACKAGE AIR CONDITIONERS

FORM NO. S11-933 REV. 2
Supersedes Form No. S11-933 Rev. 1

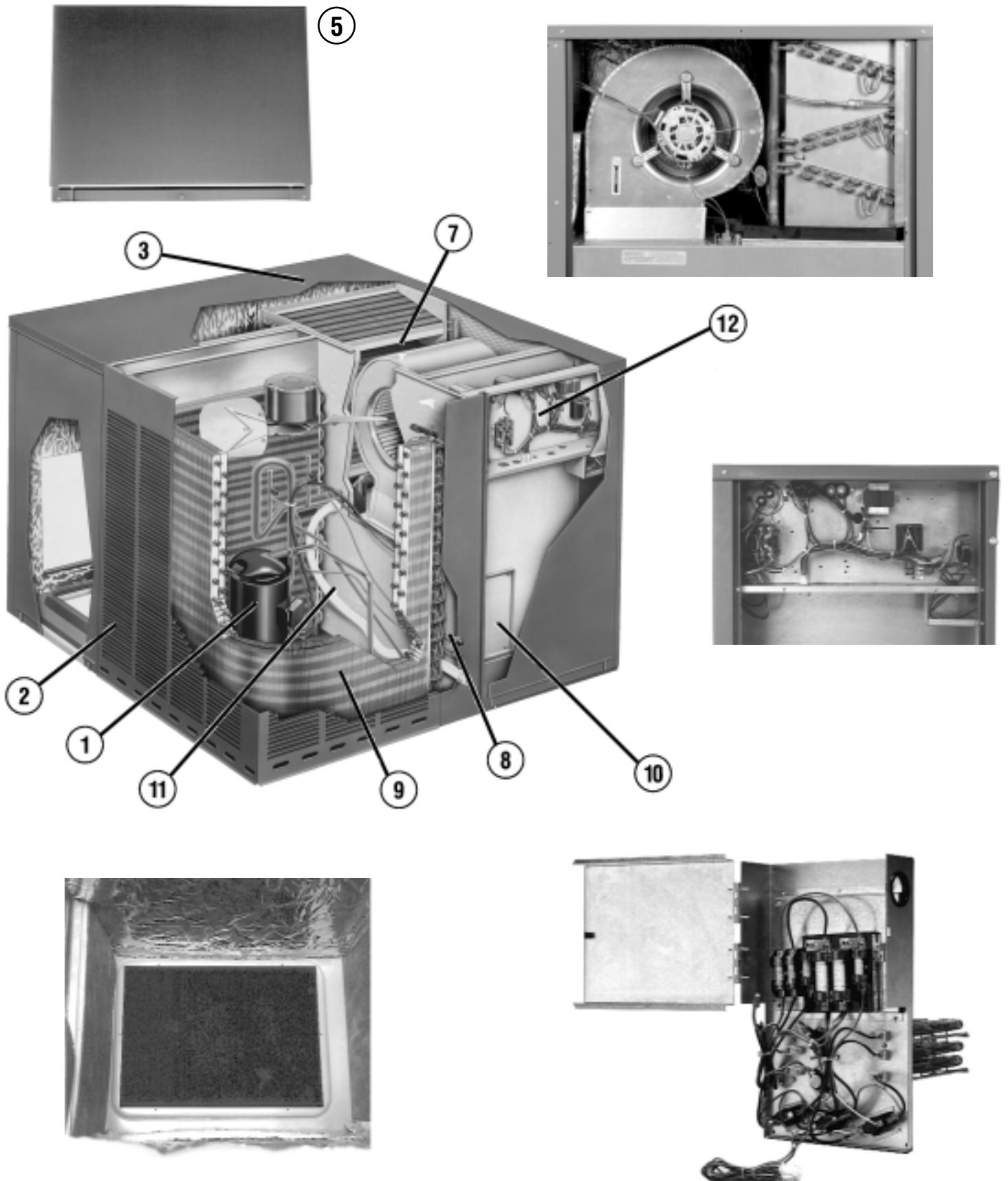
RSNA-B SUPER HIGH EFFICIENCY 13-SEER SERIES NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]





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These quality features are included in the Rheem Package Air Conditioner





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Features Below Correspond to Photos on Page 3

1. All models feature Copeland® Scroll® compressors for maximum efficiency and quiet operation.
2. Louvered condenser compartment for protecting the coil against yard hazards and/or weather extremes.
3. One-piece top with a drip lip to help keep water off of the unit sides.
4. Supply and return air openings feature a one-inch tall flange to prevent water migration into the ductwork.
5. Access panels have “weep holes” and channels to further help manage water run-off.
6. Side and down discharge options available on all models.
7. Easily accessible blower section complete with slide-out blower.
8. Refrigerant connections are conveniently located for easy service diagnostics.
9. Condenser and evaporator coils feature enhanced fins for better heat transfer and rifled copper tubing for greater efficiency.
10. Supplemental electric heat strips up to 15 kW are available (field or factory installed) for periods of extreme cold temperatures. Single point wiring makes installation even easier.
11. All units feature an internal trap on the condensate line eliminating the need for installing an on-site external trap.
12. Easily accessible control box.



MODEL IDENTIFICATION—RSNA-B SERIES



R S N A — B 036 J K 010 X X

Factory Installed Options
(See Next Page)

Heating Capacity (Factory Installed)
000 = No Resistance Heat
005 = 05 KW Resistance Heat (018-030)
010 = 10 KW Resistance Heat (024-048)
015 = 15 KW Resistance Heat (036-048)

Drive Package
K = Direct Drive

Electrical Designation
J = 208-230V—1PH—60 Hz
C = 208-230V—3PH—60 Hz

Cooling Capacity (BTUH) [kW]
024 = 24,000 [7.03]
030 = 30,000 [8.79]
036 = 36,000 [10.55]
042 = 42,000 [12.31]
048 = 48,000 [14.07]
060 = 60,000 [17.59]

Future Technical Variations

Design Series
B = 2nd Design

Efficiency Designation
N = 13 SEER Super High Efficiency

Product Classification
S = Package Air Conditioner

Tradebrand
R = Rheem

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Instructions for Factory Installed Option(s) Selection

Note: Two characters following the model number will be utilized to designate a factory-installed option or combination of options. If no factory option(s) is required, nothing follows the model number.

Step 1. After a basic rooftop model is selected, choose a *two-character* option code from the FACTORY INSTALLED OPTION SELECTION TABLE.

FACTORY INSTALLED OPTION CODES

Option Code	Side Flow
AA	No Option
AK	x

Example: RSNA-B036JK000**XX** (where **XX** is factory installed option)

Example: No Options

RSNA-B036JK000

Example: Options with Sideflow

RSNA-B036JK000AK

Note: Factory installed economizer is not available on these models.



NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

Model RSNA-B Series	B024JK	B030JK	B036CK	B036JK
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	24,800 [7.27]	31,200 [9.14]	37,400 [10.96]	37,400 [10.96]
EER/SEER ²	11.8/13	11.1/13	11.7/13	11.7/13
Nominal CFM/ARI Rated CFM [L/s]	800/800 [378/378]	1000/1000 [472/472]	1200/1200 [566/566]	1200/1200 [566/566]
ARI Net Cooling Capacity Btu [kW]	24,000 [7.03]	30,000 [8.79]	36,000 [10.55]	36,000 [10.55]
Net Sensible Capacity Btu [kW]	17,171 [5.03]	20,984 [6.15]	25,736 [7.54]	25,736 [7.54]
Net Latent Capacity Btu [kW]	6,829 [2]	9,016 [2.64]	10,264 [3.01]	10,264 [3.01]
Net System Power kW	2.04	2.7	3.07	3.07
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)³	76	76	76	76
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	10.56 [0.98]	10.56 [0.98]	14.8 [1.37]	14.8 [1.37]
Rows / FPI [FPcm]	1 / 18 [7]	1 / 18 [7]	1 / 22 [9]	1 / 22 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	5.54 [0.51]	5.54 [0.51]	5.54 [0.51]	5.54 [0.51]
Rows / FPI [FPcm]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	2500 [1180]	2500 [1180]	2700 [1274]	2700 [1274]
No. Motors/HP	1 at 1/5 HP	1 at 1/5 HP	1 at 1/5 HP	1 at 1/5 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/9x7 [228.6x177.8]	1/10x9 [254x228.6]	1/10x9 [254x228.6]	1/10x9 [254x228.6]
Drive Type/No. Speeds	Direct/2	Direct/3	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	1/4	1/2	1/2	1/2
Motor RPM	1075	1075	1075	1075
Motor Frame Size	48	48	48	48
Filter—Type	Field Supplied	Field Supplied	Field Supplied	Field Supplied
Furnished	No	No	No	No
(No.) Size Recommended in. [mm]	(1)1x20x20 [25x508x508]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
Refrigerant Charge Oz. [g]	69.6 [1973]	72 [2041]	83.2 [2359]	83.2 [2359]
Weights				
Net Weight lbs. [kg]	370 [168]	379 [178]	392 [178]	392 [178]
Ship Weight lbs. [kg]	379 [172]	388 [176]	401 [182]	401 [182]

See Page 10 for Notes.

[] Designates Metric Conversions



NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

Model RSNA-B Series	B042CK	B042JK	B048CK	B048JK
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	42,500 [12.45]	42,500 [12.45]	50,500 [14.8]	50,500 [14.8]
EER/SEER ²	11.5/13	11.5/13	11.6/13	11.6/13
Nominal CFM/ARI Rated CFM [L/s]	1400/1350 [661/637]	1400/1350 [661/637]	1600/1600 [755/755]	1600/1600 [755/755]
ARI Net Cooling Capacity Btu [kW]	41,000 [12.01]	41,000 [12.01]	48,500 [14.21]	48,500 [14.21]
Net Sensible Capacity Btu [kW]	28,511 [8.35]	28,511 [8.35]	34,516 [10.11]	34,516 [10.11]
Net Latent Capacity Btu [kW]	12,489 [3.66]	12,489 [3.66]	13,984 [4.1]	13,984 [4.1]
Net System Power kW	3.57	3.57	4.18	4.18
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)³	76	76	78	78
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.65 [1.55]	16.65 [1.55]	16.23 [1.51]	16.23 [1.51]
Rows / FPI [FPcm]	1 / 22 [9]	1 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	7.39 [0.69]	7.39 [0.69]	7.39 [0.69]	7.39 [0.69]
Rows / FPI [FPcm]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	3500 [1652]	3500 [1652]	3300 [1557]	3300 [1557]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/10x9 [254x228.6]	1/10x9 [254x228.6]	1/10x9 [254x228.6]	1/10x9 [254x228.6]
Drive Type/No. Speeds	Direct/3	Direct/3	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	1/2	1/2	3/4	3/4
Motor RPM	1075	1075	1075	1075
Motor Frame Size	48	48	48	48
Filter—Type	Field Supplied	Field Supplied	Field Supplied	Field Supplied
Furnished	No	No	No	No
(No.) Size Recommended in. [mm]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
Refrigerant Charge Oz. [g]	104 [2948]	104 [2948]	153.6 [4355]	153.6 [4355]
Weights				
Net Weight lbs. [kg]	447 [203]	447 [203]	499 [226]	499 [226]
Ship Weight lbs. [kg]	456 [207]	456 [207]	508 [230]	508 [230]

See Page 10 for Notes.

[] Designates Metric Conversions



NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

Model RSNA-B Series	B060CK	B060JK
Cooling Performance¹		
Gross Cooling Capacity Btu [kW]	60,000 [17.58]	60,000 [17.58]
EER/SEER ²	11.1/13	11.1/13
Nominal CFM/ARI Rated CFM [L/s]	2000/1850 [897/873]	2000/1850 [897/873]
ARI Net Cooling Capacity Btu [kW]	58,000 [16.99]	58,000 [16.99]
Net Sensible Capacity Btu [kW]	40,561 [11.88]	40,561 [11.88]
Net Latent Capacity Btu [kW]	17,439 [5.11]	17,439 [5.11]
Net System Power kW	5.2	5.2
Compressor		
No./Type	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)³		
	78	78
Outdoor Coil—Fin Type		
Tube Type	Louvered	Louvered
Tube Size in. [mm] OD	Rifled	Rifled
Face Area sq. ft. [sq. m]	0.375 [9.5]	0.375 [9.5]
Rows / FPI [FPcm]	16.23 [1.51]	16.23 [1.51]
	2 / 22 [9]	2 / 22 [9]
Indoor Coil—Fin Type		
Tube Type	Louvered	Louvered
Tube Size in. [mm]	Rifled	Rifled
Face Area sq. ft. [sq. m]	0.375 [9.5]	0.375 [9.5]
Rows / FPI [FPcm]	7.39 [0.69]	7.39 [0.69]
	2 / 15 [6]	2 / 15 [6]
Refrigerant Control	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]
Outdoor Fan—Type		
	Propeller	Propeller
No. Used/Diameter in. [mm]	1/22 [558.8]	1/22 [558.8]
Drive Type/No. Speeds	Direct/1	Direct/1
CFM [L/s]	3300 [1557]	3300 [1557]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075
Indoor Fan—Type		
	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/10x9 [254x228.6]	1/10x9 [254x228.6]
Drive Type/No. Speeds	Direct/2	Direct/2
No. Motors	1	1
Motor HP	1	1
Motor RPM	1075	1075
Motor Frame Size	48	48
Filter—Type		
	Field Supplied	Field Supplied
Furnished	No	No
(No.) Size Recommended in. [mm]	(1)1x24x30 [25x610x762]	(1)1x24x30 [25x610x762]
Refrigerant Charge Oz. [g]		
	145.6 [4128]	145.6 [4128]
Weights		
Net Weight lbs. [kg]	521 [236]	521 [236]
Ship Weight lbs. [kg]	530 [240]	530 [240]

See Page 10 for Notes.

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NOTES:

1. Cooling Performance is rated at 95° F ambient, 80° F entering dry bulb, 67° F entering wet bulb. Gross capacity does not include the effect of fan motor heat. ARI capacity is net and includes the effect of fan motor heat. Units are suitable for operation to $\pm 20\%$ of nominal cfm. Units are certified in accordance with the Unitary Air Conditioner Equipment certification program, which is based on ARI Standard 210/240 or 360.
2. EER and/or SEER are rated at ARI conditions and in accordance with DOE test procedures.
3. Outdoor Sound Rating shown is tested in accordance with ARI Standard 270.

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SYSTEMS PERFORMANCE—RSNA-B SERIES

GROSS SYSTEMS PERFORMANCE DATA—RSNA-B024

		ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①									
		wbE	71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]		
			CFM [L/s]	880 [415]	800 [378]	680 [321]	880 [415]	800 [378]	680 [321]	880 [415]	800 [378]
DR ①			.21	.20	.18	.21	.20	.18	.21	.20	.18
OUTDOOR DRY BULB TEMPERATURE °C	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	28.9 [8.47] 16.2 [4.75] 1.4	28.4 [8.32] 15.4 [4.51] 1.3	27.6 [8.09] 14.4 [4.22] 1.3	27.3 [8.00] 19.5 [5.71] 1.3	26.8 [7.85] 18.6 [5.45] 1.3	26.1 [7.65] 17.3 [5.07] 1.3	25.0 [7.33] 22.0 [6.45] 1.3	24.6 [7.21] 21.1 [6.18] 1.3	23.9 [7.00] 19.6 [5.74] 1.3
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	28.9 [8.47] 16.1 [4.72] 1.5	28.4 [8.32] 15.4 [4.51] 1.5	27.6 [8.09] 14.3 [4.19] 1.4	27.2 [7.97] 19.5 [5.71] 1.5	26.8 [7.85] 18.6 [5.45] 1.4	26.0 [7.62] 17.3 [5.07] 1.4	25.0 [7.33] 22.0 [6.45] 1.4	24.5 [7.18] 21.0 [6.15] 1.4	23.9 [7.00] 19.6 [5.74] 1.4
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	28.5 [8.35] 16.0 [4.69] 1.6	28.0 [8.21] 15.3 [4.48] 1.6	27.2 [7.97] 14.2 [4.16] 1.5	26.9 [7.88] 19.3 [5.66] 1.6	26.4 [7.74] 18.5 [5.42] 1.6	25.7 [7.53] 17.2 [5.04] 1.5	24.6 [7.21] 21.9 [6.42] 1.5	24.1 [7.06] 20.9 [6.13] 1.5	23.5 [6.89] 19.5 [5.71] 1.5
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	27.8 [8.15] 15.8 [4.63] 1.7	27.3 [8.00] 15.1 [4.43] 1.7	26.6 [7.80] 14.0 [4.10] 1.7	26.2 [7.68] 19.1 [5.60] 1.7	25.7 [7.53] 18.3 [5.36] 1.7	25.0 [7.33] 17.0 [4.98] 1.7	23.9 [7.00] 21.7 [6.36] 1.6	23.5 [6.89] 20.7 [6.07] 1.6	22.8 [6.68] 19.3 [5.66] 1.6
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	27.0 [7.91] 15.5 [4.54] 1.8	26.5 [7.77] 14.8 [4.34] 1.8	25.8 [7.56] 13.8 [4.04] 1.8	25.3 [7.41] 18.9 [5.54] 1.8	24.8 [7.27] 18.0 [5.28] 1.8	24.2 [7.09] 16.8 [4.92] 1.8	23.0 [6.74] 21.4 [6.27] 1.8	22.6 [6.62] 20.5 [6.01] 1.7	22.0 [6.45] 19.0 [5.57] 1.7
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	26.0 [7.62] 15.2 [4.45] 1.9	25.5 [7.47] 14.5 [4.25] 1.9	24.8 [7.27] 13.5 [3.96] 1.9	24.3 [7.12] 18.5 [5.42] 1.9	23.9 [7.00] 17.7 [5.19] 1.9	23.2 [6.80] 16.4 [4.81] 1.9	22.1 [6.48] 21.1 [6.18] 1.9	21.7 [6.36] 20.1 [5.89] 1.9	21.1 [6.18] 18.7 [5.48] 1.8
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	25.0 [7.33] 14.7 [4.31] 2.0	24.5 [7.18] 14.1 [4.13] 2.0	23.9 [7.00] 13.1 [3.84] 2.0	23.3 [6.83] 18.1 [5.30] 2.0	22.9 [6.71] 17.3 [5.07] 2.0	22.3 [6.54] 16.1 [4.72] 2.0	21.1 [6.18] 20.6 [6.04] 2.0	20.7 [6.07] 19.7 [5.77] 2.0	20.1 [5.89] 18.3 [5.36] 1.9
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	24.1 [7.06] 14.3 [4.19] 2.1	23.7 [6.95] 13.6 [3.99] 2.1	23.0 [6.74] 12.7 [3.72] 2.1	22.4 [6.56] 17.6 [5.16] 2.1	22.0 [6.45] 16.8 [4.92] 2.1	21.4 [6.27] 15.6 [4.57] 2.1	20.2 [5.92] 20.1 [5.89] 2.1	19.8 [5.80] 19.2 [5.63] 2.1	19.3 [5.66] 17.9 [5.25] 2.1
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	23.3 [6.83] 13.7 [4.02] 2.3	22.9 [6.71] 13.1 [3.84] 2.2	22.3 [6.54] 12.2 [3.58] 2.2	21.7 [6.36] 17.0 [4.98] 2.3	21.3 [6.24] 16.3 [4.78] 2.2	20.7 [6.07] 15.1 [4.43] 2.2	19.4 [5.69] 19.4 [5.69] 2.2	19.1 [5.60] 18.7 [5.48] 2.2	18.5 [5.42] 17.4 [5.10] 2.2

GROSS SYSTEMS PERFORMANCE DATA—RSNA-B030

		ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①									
		wbE	71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]		
			CFM [L/s]	1100 [519]	1000 [472]	850 [401]	1100 [519]	1000 [472]	850 [401]	1100 [519]	1000 [472]
DR ①			.24	.23	.21	.24	.23	.21	.24	.23	.21
OUTDOOR DRY BULB TEMPERATURE °C	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	37.6 [11.02] 21.3 [6.24] 1.9	36.9 [10.81] 20.3 [5.95] 1.9	35.9 [10.52] 18.9 [5.54] 1.9	35.0 [10.26] 25.2 [7.39] 1.9	34.4 [10.08] 24.1 [7.06] 1.9	33.4 [9.79] 22.4 [6.56] 1.9	33.6 [9.85] 27.2 [7.97] 1.9	33.0 [9.67] 26.0 [7.62] 1.9	32.1 [9.41] 24.2 [7.09] 1.9
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	37.1 [10.87] 20.8 [6.10] 2.1	36.4 [10.67] 19.9 [5.83] 2.0	35.4 [10.37] 18.5 [5.42] 2.0	34.5 [10.11] 24.7 [7.24] 2.0	33.9 [9.94] 23.6 [6.92] 2.0	32.9 [9.64] 22.0 [6.45] 2.0	33.1 [9.70] 26.7 [7.83] 2.0	32.5 [9.52] 25.5 [7.47] 2.0	31.6 [9.26] 23.8 [6.98] 2.0
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	36.3 [10.64] 20.3 [5.95] 2.2	35.6 [10.43] 19.4 [5.69] 2.2	34.7 [10.17] 18.0 [5.28] 2.1	33.7 [9.88] 24.2 [7.09] 2.2	33.1 [9.70] 23.1 [6.77] 2.1	32.2 [9.44] 21.5 [6.30] 2.1	32.3 [9.47] 26.2 [7.68] 2.1	31.7 [9.29] 25.1 [7.36] 2.1	30.9 [9.06] 23.3 [6.83] 2.1
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	35.3 [10.35] 19.8 [5.80] 2.3	34.7 [10.17] 18.9 [5.54] 2.3	33.8 [9.91] 17.6 [5.16] 2.2	32.8 [9.61] 23.7 [6.95] 2.3	32.2 [9.44] 22.6 [6.62] 2.2	31.3 [9.17] 21.1 [6.18] 2.2	31.4 [9.20] 25.7 [7.53] 2.3	30.8 [9.03] 24.6 [7.21] 2.2	30.0 [8.79] 22.9 [6.71] 2.2
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	34.3 [10.05] 19.3 [5.66] 2.4	33.7 [9.88] 18.4 [5.39] 2.4	32.8 [9.61] 17.1 [5.01] 2.4	31.7 [9.29] 23.2 [6.80] 2.4	31.2 [9.14] 22.1 [6.48] 2.4	30.3 [8.88] 20.6 [6.04] 2.3	30.3 [8.88] 25.2 [7.39] 2.4	29.8 [8.73] 24.1 [7.06] 2.4	29.0 [8.50] 22.4 [6.56] 2.3
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	33.2 [9.73] 18.7 [5.48] 2.5	32.6 [9.55] 17.9 [5.25] 2.5	31.7 [9.29] 16.6 [4.86] 2.5	30.6 [8.97] 22.7 [6.65] 2.5	30.1 [8.82] 21.6 [6.33] 2.5	29.3 [8.59] 20.1 [5.89] 2.4	29.2 [8.56] 24.7 [7.24] 2.5	28.7 [8.41] 23.6 [6.92] 2.5	27.9 [8.18] 21.9 [6.42] 2.4
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	32.1 [9.41] 18.2 [5.33] 2.6	31.6 [9.26] 17.4 [5.10] 2.6	30.7 [9.00] 16.2 [4.75] 2.6	29.6 [8.67] 22.1 [6.48] 2.6	29.0 [8.50] 21.2 [6.21] 2.6	28.3 [8.29] 19.7 [5.77] 2.6	28.2 [8.26] 24.2 [7.09] 2.6	27.7 [8.12] 23.1 [6.77] 2.6	26.9 [7.88] 21.5 [6.30] 2.5
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	31.2 [9.14] 17.7 [5.19] 2.7	30.6 [8.97] 16.9 [4.95] 2.7	29.8 [8.73] 15.7 [4.60] 2.7	28.6 [8.38] 21.6 [6.33] 2.7	28.1 [8.24] 20.7 [6.07] 2.7	27.3 [8.00] 19.2 [5.63] 2.7	27.2 [7.97] 23.7 [6.95] 2.7	26.7 [7.83] 22.6 [6.62] 2.7	26.0 [7.62] 21.0 [6.15] 2.7
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	30.4 [8.91] 17.2 [5.04] 2.9	29.8 [8.73] 16.5 [4.84] 2.8	29.0 [8.50] 15.3 [4.48] 2.8	27.8 [8.15] 21.1 [6.18] 2.8	27.3 [8.00] 20.2 [5.92] 2.8	26.6 [7.80] 18.8 [5.51] 2.8	26.4 [7.74] 23.2 [6.80] 2.8	25.9 [7.59] 22.1 [6.48] 2.8	25.2 [7.39] 20.6 [6.04] 2.8

DR —Depression ratio
dbE—Entering air dry bulb
wbE—Entering air wet bulb

Total —Total capacity x 1000 BTUH
Sens —Sensible capacity x 1000 BTUH
Power—KW input

NOTES: ① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$.

[] Designates Metric Conversions

SYSTEMS PERFORMANCE—RSNA-B SERIES



GROSS SYSTEMS PERFORMANCE DATA—RSNA-B036

		ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①									
wbE		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]		1320 [623]	1200 [566]	1020 [481]	1320 [623]	1200 [566]	1020 [481]	1320 [623]	1200 [566]	1020 [481]	
DR ①		.21	.20	.17	.21	.20	.17	.21	.20	.17	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	44.4 [13.01] 25.5 [7.47] 2.2	43.6 [12.78] 24.4 [7.15] 2.1	42.4 [12.43] 22.7 [6.65] 2.1	41.3 [12.10] 30.4 [8.91] 2.1	40.6 [11.90] 29.1 [8.53] 2.1	39.5 [11.58] 27.0 [7.91] 2.1	39.6 [11.61] 31.4 [9.20] 2.1	38.9 [11.40] 30.0 [8.79] 2.1	37.8 [11.08] 27.9 [8.18] 2.1
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	43.6 [12.78] 25.0 [7.33] 2.3	42.8 [12.54] 23.9 [7.00] 2.3	41.7 [12.22] 22.2 [6.51] 2.2	40.5 [11.87] 29.9 [8.76] 2.3	39.8 [11.66] 28.6 [8.38] 2.3	38.7 [11.34] 26.6 [7.80] 2.2	38.7 [11.34] 30.8 [9.03] 2.3	38.0 [11.14] 29.5 [8.65] 2.3	37.0 [10.84] 27.4 [8.03] 2.2
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	42.8 [12.54] 24.5 [7.18] 2.4	42.1 [12.34] 23.4 [6.86] 2.4	40.9 [11.99] 21.8 [6.39] 2.4	39.7 [11.63] 29.4 [8.62] 2.4	39.0 [11.43] 28.1 [8.24] 2.4	38.0 [11.14] 26.1 [7.65] 2.4	38.0 [11.14] 30.3 [8.88] 2.4	37.3 [10.93] 29.0 [8.50] 2.4	36.3 [10.64] 27.0 [7.91] 2.4
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	42.0 [12.31] 24.0 [7.03] 2.6	41.3 [12.10] 22.9 [6.71] 2.5	40.2 [11.78] 21.3 [6.24] 2.5	38.9 [11.40] 28.9 [8.47] 2.6	38.3 [11.22] 27.6 [8.09] 2.5	37.2 [10.90] 25.7 [7.53] 2.5	37.2 [10.90] 29.9 [8.76] 2.5	36.5 [10.70] 28.5 [8.35] 2.5	35.5 [10.40] 26.5 [7.77] 2.5
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	41.1 [12.05] 23.5 [6.89] 2.7	40.4 [11.84] 22.4 [6.56] 2.7	39.3 [11.52] 20.9 [6.13] 2.6	38.0 [11.14] 28.4 [8.32] 2.7	37.4 [10.96] 27.1 [7.94] 2.7	36.3 [10.64] 25.2 [7.39] 2.6	36.3 [10.64] 29.3 [8.59] 2.7	35.6 [10.43] 28.0 [8.21] 2.7	34.7 [10.17] 26.0 [7.62] 2.6
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	40.0 [11.72] 22.8 [6.68] 2.8	39.3 [11.52] 21.8 [6.39] 2.8	38.2 [11.20] 20.3 [5.95] 2.8	36.9 [10.81] 27.7 [8.12] 2.8	36.3 [10.64] 26.5 [7.77] 2.8	35.3 [10.35] 24.6 [7.21] 2.8	35.2 [10.32] 28.7 [8.41] 2.8	34.5 [10.11] 27.4 [8.03] 2.8	33.6 [9.85] 25.5 [7.47] 2.8
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	38.6 [11.31] 22.1 [6.48] 3.0	37.9 [11.11] 21.1 [6.18] 3.0	36.9 [10.81] 19.6 [5.74] 2.9	35.5 [10.40] 26.9 [7.88] 3.0	34.9 [10.23] 25.7 [7.53] 2.9	33.9 [9.94] 23.9 [7.00] 2.9	33.8 [9.91] 27.9 [8.18] 3.0	33.2 [9.73] 26.6 [7.80] 2.9	32.3 [9.47] 24.8 [7.27] 2.9
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	36.9 [10.81] 21.1 [6.18] 3.1	36.2 [10.61] 20.1 [5.89] 3.1	35.2 [10.32] 18.7 [5.48] 3.1	33.8 [9.91] 26.0 [7.62] 3.1	33.1 [9.70] 24.8 [7.27] 3.1	32.2 [9.44] 23.1 [6.77] 3.0	32.0 [9.38] 26.9 [7.88] 3.1	31.4 [9.20] 25.7 [7.53] 3.1	30.6 [8.97] 23.9 [7.00] 3.0
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	34.6 [10.14] 19.9 [5.83] 3.3	34.0 [9.96] 19.0 [5.57] 3.2	33.1 [9.70] 17.7 [5.19] 3.2	31.5 [9.23] 24.8 [7.27] 3.2	30.9 [9.06] 23.7 [6.95] 3.2	30.1 [8.82] 22.0 [6.45] 3.2	29.7 [8.70] 25.7 [7.53] 3.2	29.2 [8.56] 24.6 [7.21] 3.2	28.4 [8.32] 22.9 [6.71] 3.2

GROSS SYSTEMS PERFORMANCE DATA—RSNA-B042

		ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①									
wbE		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]		1490 [703]	1350 [637]	1150 [543]	1490 [703]	1350 [637]	1150 [543]	1490 [703]	1350 [637]	1150 [543]	
DR ①		.24	.23	.21	.24	.23	.21	.24	.23	.21	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	51.1 [14.98] 28.1 [8.24] 2.6	50.2 [14.71] 26.9 [7.88] 2.6	48.8 [14.30] 25.0 [7.33] 2.5	47.7 [13.98] 33.4 [9.79] 2.5	46.9 [13.75] 31.9 [9.35] 2.5	45.6 [13.36] 29.7 [8.70] 2.5	45.2 [13.25] 37.9 [11.11] 2.5	44.3 [12.98] 36.2 [10.61] 2.5	43.1 [12.63] 33.6 [9.85] 2.5
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	50.1 [14.68] 27.9 [8.18] 2.7	49.2 [14.42] 26.7 [7.83] 2.7	47.8 [14.01] 24.8 [7.27] 2.7	46.7 [13.69] 33.2 [9.73] 2.7	45.9 [13.45] 31.7 [9.29] 2.7	44.6 [13.07] 29.5 [8.65] 2.6	44.1 [12.92] 37.6 [11.02] 2.7	43.3 [12.69] 36.0 [10.55] 2.7	42.2 [12.37] 33.5 [9.82] 2.6
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	49.0 [14.36] 27.5 [8.06] 2.9	48.1 [14.10] 26.3 [7.71] 2.8	46.8 [13.72] 24.5 [7.18] 2.8	45.6 [13.36] 32.8 [9.61] 2.8	44.8 [13.13] 31.3 [9.17] 2.8	43.6 [12.78] 29.1 [8.53] 2.8	43.1 [12.63] 37.2 [10.90] 2.8	42.3 [12.40] 35.6 [10.43] 2.8	41.1 [12.05] 33.1 [9.70] 2.8
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	47.9 [14.04] 27.0 [7.91] 3.0	47.0 [13.77] 25.8 [7.56] 3.0	45.8 [13.42] 24.0 [7.03] 2.9	44.5 [13.04] 32.2 [9.44] 3.0	43.7 [12.81] 30.8 [9.03] 3.0	42.5 [12.46] 28.6 [8.38] 2.9	42.0 [12.31] 36.7 [10.76] 3.0	41.2 [12.07] 35.0 [10.26] 2.9	40.1 [11.75] 32.6 [9.55] 2.9
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	46.8 [13.72] 26.3 [7.71] 3.2	45.9 [13.45] 25.1 [7.36] 3.1	44.7 [13.10] 23.4 [6.86] 3.1	43.4 [12.72] 31.5 [9.23] 3.1	42.6 [12.48] 30.1 [8.82] 3.1	41.4 [12.13] 28.0 [8.21] 3.1	40.8 [11.96] 36.0 [10.55] 3.1	40.1 [11.75] 34.4 [10.08] 3.1	39.0 [11.43] 32.0 [9.38] 3.0
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	45.6 [13.36] 25.6 [7.50] 3.3	44.8 [13.13] 24.4 [7.15] 3.3	43.6 [12.78] 22.7 [6.65] 3.2	42.2 [12.37] 30.8 [9.03] 3.3	41.5 [12.16] 29.4 [8.62] 3.2	40.4 [11.84] 27.4 [8.03] 3.2	39.7 [11.63] 35.3 [10.35] 3.3	39.0 [11.43] 33.7 [9.88] 3.2	37.9 [11.11] 31.3 [9.17] 3.2
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	44.5 [13.04] 24.8 [7.27] 3.4	43.7 [12.81] 23.7 [6.95] 3.4	42.5 [12.46] 22.1 [6.48] 3.4	41.1 [12.05] 30.1 [8.82] 3.4	40.4 [11.84] 28.7 [8.41] 3.4	39.3 [11.52] 26.7 [7.83] 3.3	38.6 [11.31] 34.5 [10.11] 3.4	37.9 [11.11] 33.0 [9.67] 3.4	36.8 [10.79] 30.7 [9.00] 3.3
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	43.4 [12.72] 24.2 [7.09] 3.6	42.6 [12.48] 23.1 [6.77] 3.6	41.5 [12.16] 21.5 [6.30] 3.5	40.0 [11.72] 29.4 [8.62] 3.6	39.3 [11.52] 28.1 [8.24] 3.5	38.2 [11.20] 26.1 [7.65] 3.5	37.5 [10.99] 33.9 [9.94] 3.5	36.8 [10.79] 32.4 [9.50] 3.5	35.8 [10.49] 30.1 [8.82] 3.5
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	42.3 [12.40] 23.6 [6.92] 3.7	41.6 [12.19] 22.5 [6.59] 3.7	40.4 [11.84] 21.0 [6.15] 3.7	39.0 [11.43] 28.8 [8.44] 3.7	38.3 [11.22] 27.5 [8.06] 3.7	37.2 [10.90] 25.6 [7.50] 3.6	36.4 [10.67] 33.3 [9.76] 3.7	35.7 [10.46] 31.8 [9.32] 3.7	34.8 [10.20] 29.6 [8.67] 3.6

DR —Depression ratio
dbE—Entering air dry bulb
wbE—Entering air wet bulb

Total —Total capacity x 1000 BTUH
Sens —Sensible capacity x 1000 BTUH
Power—KW input

NOTES: ① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$.

[] Designates Metric Conversions



SYSTEMS PERFORMANCE—RSNA-B SERIES

GROSS SYSTEMS PERFORMANCE DATA—RSNA-B048

		ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①									
wbE		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]		1760 [831]	1600 [755]	1360 [642]	1760 [831]	1600 [755]	1360 [642]	1760 [831]	1600 [755]	1360 [642]	
DR ①		.20	.19	.17	.20	.19	.17	.20	.19	.17	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	60.8 [17.82] 36.3 [10.64] 2.9	59.7 [17.50] 34.7 [10.17] 2.9	58.1 [17.03] 32.3 [9.47] 2.9	56.4 [16.53] 41.5 [12.16] 2.9	55.4 [16.24] 39.7 [11.63] 2.9	53.9 [15.80] 36.9 [10.81] 2.9	53.1 [15.56] 48.2 [14.13] 2.9	52.2 [15.30] 46.0 [13.48] 2.8	50.8 [14.89] 42.8 [12.54] 2.8
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	59.9 [17.55] 35.2 [10.32] 3.1	58.8 [17.23] 33.7 [9.88] 3.1	57.2 [16.76] 31.3 [9.17] 3.0	55.5 [16.27] 40.4 [11.84] 3.1	54.5 [15.97] 38.6 [11.31] 3.1	53.0 [15.53] 35.9 [10.52] 3.0	52.3 [15.33] 47.1 [13.80] 3.0	51.3 [15.03] 45.0 [13.19] 3.0	49.9 [14.62] 41.8 [12.25] 3.0
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	58.8 [17.23] 34.3 [10.05] 3.3	57.7 [16.91] 32.8 [9.61] 3.2	56.1 [16.44] 30.5 [8.94] 3.2	54.4 [15.94] 39.5 [11.58] 3.3	53.4 [15.65] 37.7 [11.05] 3.2	51.9 [15.21] 35.1 [10.29] 3.2	51.1 [14.98] 46.1 [13.51] 3.2	50.2 [14.71] 44.1 [12.92] 3.2	48.8 [14.30] 41.0 [12.02] 3.1
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	57.4 [16.82] 33.5 [9.82] 3.4	56.4 [16.53] 32.0 [9.38] 3.4	54.8 [16.06] 29.8 [8.73] 3.4	53.0 [15.53] 38.7 [11.34] 3.4	52.0 [15.24] 37.0 [10.84] 3.4	50.6 [14.83] 34.4 [10.08] 3.4	49.7 [14.57] 45.3 [13.28] 3.4	48.8 [14.30] 43.4 [12.72] 3.3	47.5 [13.92] 40.3 [11.81] 3.3
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	55.9 [16.38] 33.1 [9.70] 3.6	54.9 [16.09] 31.6 [9.26] 3.6	53.4 [15.65] 29.4 [8.62] 3.5	51.5 [15.09] 38.3 [11.22] 3.6	50.6 [14.83] 36.6 [10.73] 3.6	49.2 [14.42] 34.0 [9.96] 3.5	48.2 [14.13] 45.0 [13.19] 3.5	47.4 [13.89] 42.9 [12.57] 3.5	46.1 [13.51] 39.9 [11.69] 3.5
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	54.3 [15.91] 33.0 [9.67] 3.8	53.3 [15.62] 31.5 [9.23] 3.7	51.9 [15.21] 29.3 [8.59] 3.7	49.9 [14.62] 38.2 [11.20] 3.8	49.0 [14.36] 36.5 [10.70] 3.7	47.7 [13.98] 34.0 [9.96] 3.7	46.7 [13.69] 45.0 [13.19] 3.7	45.8 [13.42] 42.9 [12.57] 3.7	44.6 [13.07] 39.9 [11.69] 3.6
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	52.8 [15.47] 33.4 [9.79] 3.9	51.8 [15.18] 31.9 [9.35] 3.9	50.4 [14.77] 29.7 [8.70] 3.9	48.4 [14.18] 38.6 [11.31] 3.9	47.5 [13.92] 36.9 [10.81] 3.9	46.2 [13.54] 34.3 [10.05] 3.9	45.1 [13.22] 45.1 [13.22] 3.9	44.3 [12.98] 43.2 [12.66] 3.9	43.1 [12.63] 40.2 [11.78] 3.8
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	51.3 [15.03] 34.4 [10.08] 4.1	50.4 [14.77] 32.9 [9.64] 4.1	49.0 [14.36] 30.6 [8.97] 4.0	46.9 [13.75] 39.6 [11.61] 4.1	46.1 [13.51] 37.8 [11.08] 4.1	44.8 [13.13] 35.2 [10.32] 4.0	43.6 [12.78] 43.6 [12.78] 4.1	42.9 [12.57] 42.9 [12.57] 4.0	41.7 [12.22] 41.1 [12.05] 4.0
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	50.0 [14.65] 36.0 [10.55] 4.3	49.1 [14.39] 34.4 [10.08] 4.2	47.8 [14.01] 32.0 [9.38] 4.2	45.6 [13.36] 41.2 [12.07] 4.3	44.8 [13.13] 39.4 [11.55] 4.3	43.6 [12.78] 36.6 [10.73] 4.2	42.3 [12.40] 42.3 [12.40] 4.2	41.6 [12.19] 41.6 [12.19] 4.2	40.4 [11.84] 40.4 [11.84] 4.1

GROSS SYSTEMS PERFORMANCE DATA—RSNA-B060

		ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①									
wbE		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]		2040 [963]	1850 [873]	1570 [741]	2040 [963]	1850 [873]	1570 [741]	2040 [963]	1850 [873]	1570 [741]	
DR ①		.21	.20	.18	.21	.20	.18	.21	.20	.18	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	69.9 [20.49] 41.5 [12.16] 3.9	68.7 [20.13] 39.7 [11.63] 3.8	66.8 [19.58] 36.9 [10.81] 3.8	66.3 [19.43] 48.8 [14.30] 3.8	65.1 [19.08] 46.7 [13.69] 3.7	63.3 [18.55] 43.4 [12.72] 3.7	63.8 [18.70] 53.0 [15.53] 3.7	62.6 [18.35] 50.6 [14.83] 3.7	60.9 [17.85] 47.1 [13.80] 3.7
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	69.6 [20.40] 40.4 [11.84] 4.1	68.4 [20.05] 38.6 [11.31] 4.0	66.5 [19.49] 35.9 [10.52] 4.0	65.9 [19.31] 47.8 [14.01] 4.0	64.8 [18.99] 45.6 [13.36] 4.0	63.0 [18.46] 42.4 [12.43] 3.9	63.4 [18.58] 51.9 [15.21] 3.9	62.3 [18.26] 49.6 [14.54] 3.9	60.6 [17.76] 46.1 [13.51] 3.9
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	68.5 [20.08] 39.4 [11.55] 4.3	67.3 [19.72] 37.6 [11.02] 4.3	65.4 [19.17] 35.0 [10.26] 4.2	64.8 [18.99] 46.7 [13.69] 4.2	63.7 [18.67] 44.6 [13.07] 4.2	61.9 [18.14] 41.5 [12.16] 4.1	62.3 [18.26] 50.9 [14.92] 4.2	61.2 [17.94] 48.6 [14.24] 4.1	59.5 [17.44] 45.2 [13.25] 4.1
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	66.8 [19.58] 38.3 [11.22] 4.5	65.6 [19.23] 36.6 [10.73] 4.5	63.9 [18.73] 34.0 [9.96] 4.4	63.2 [18.52] 45.7 [13.39] 4.4	62.0 [18.17] 43.6 [12.78] 4.4	60.4 [17.70] 40.6 [11.90] 4.3	60.7 [17.79] 49.8 [14.59] 4.4	59.6 [17.47] 47.6 [13.95] 4.3	58.0 [17.00] 44.3 [12.98] 4.3
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	64.8 [18.99] 37.3 [10.93] 4.7	63.7 [18.67] 35.6 [10.43] 4.7	61.9 [18.14] 33.1 [9.70] 4.6	61.2 [17.94] 44.6 [13.07] 4.6	60.1 [17.61] 42.6 [12.48] 4.6	58.4 [17.12] 39.7 [11.63] 4.5	58.7 [17.20] 48.8 [14.30] 4.6	57.6 [16.88] 46.6 [13.66] 4.5	56.0 [16.41] 43.4 [12.72] 4.5
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	62.7 [18.38] 36.3 [10.64] 4.9	61.6 [18.05] 34.7 [10.17] 4.9	59.9 [17.55] 32.3 [9.47] 4.8	59.0 [17.29] 43.6 [12.78] 4.8	58.0 [17.00] 41.7 [12.22] 4.8	56.4 [16.53] 38.8 [11.37] 4.7	56.5 [16.56] 47.8 [14.01] 4.8	55.5 [16.27] 45.7 [13.39] 4.8	54.0 [15.83] 42.5 [12.46] 4.7
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	60.6 [17.76] 35.3 [10.35] 5.1	59.6 [17.47] 33.8 [9.91] 5.1	57.9 [16.97] 31.4 [9.20] 5.0	57.0 [16.71] 42.7 [12.51] 5.1	55.9 [16.38] 40.8 [11.96] 5.0	54.4 [15.94] 37.9 [11.11] 4.9	54.5 [15.97] 46.9 [13.75] 5.0	53.5 [15.68] 44.8 [13.13] 5.0	52.0 [15.24] 41.6 [12.19] 4.9
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	58.8 [17.23] 34.4 [10.08] 5.3	57.8 [16.94] 32.9 [9.64] 5.3	56.2 [16.47] 30.6 [8.97] 5.2	55.2 [16.18] 41.8 [12.25] 5.3	54.2 [15.88] 39.9 [11.69] 5.2	52.7 [15.44] 37.1 [10.87] 5.2	52.7 [15.44] 45.9 [13.45] 5.2	51.7 [15.15] 43.9 [12.87] 5.2	50.3 [14.74] 40.8 [11.96] 5.1
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	57.5 [16.85] 33.5 [9.82] 5.6	56.5 [16.56] 32.0 [9.38] 5.5	55.0 [16.12] 29.8 [8.73] 5.4	53.9 [15.80] 40.9 [11.99] 5.5	52.9 [15.50] 39.1 [11.46] 5.4	51.4 [15.06] 36.3 [10.64] 5.4	51.3 [15.03] 45.0 [13.19] 5.4	50.4 [14.77] 43.0 [12.60] 5.4	49.0 [14.36] 40.0 [11.72] 5.3

DR —Depression ratio
dbE—Entering air dry bulb
wbE—Entering air wet bulb

Total —Total capacity x 1000 BTUH
Sens —Sensible capacity x 1000 BTUH
Power—KW input

NOTES: ① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$.

[] Designates Metric Conversions



INDOOR AIRFLOW PERFORMANCE—208 VOLTS

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory		Blower Size/ Motor HP [W] & # of Speeds	Motor Speed	CFM [L/s] Air Delivery/RPM/Watts—208 Volts Side Discharge—Wet Coil							
	Cool	Heat			External Static Pressure—Inches W.C. [kPa]							
					0.1 [1.02]	0.2 [0.05]	0.3 [0.07]	0.4 [1.10]	0.5 [1.12]	0.6 [1.15]	0.7 [1.17]	
2.0 [7.03]	High	Low	9x7 1/4 HP 2 Speed Motor	Low	CFM	675 [319]	657 [310]	634 [299]	602 [284]	560 [264]	505 [238]	435 [205]
		RPM			695	785	870	905	940	980	1020	
	High	High		Watts	221	214	203	191	171	193	149	562 [265]
2.5 [8.79]	Low	Low	10x9 1/2 HP 3 Speed Motor	Low	CFM	898 [424]	861 [406]	822 [388]	777 [367]	721 [340]	651 [307]	562 [265]
		RPM			940	965	995	1020	1045	1070	1090	
	High	High		Watts	292	278	266	253	239	221	199	832 [393]
3.0 [10.55]	Med.	Low	10x9 1/2 HP 3 Speed Motor	Med.	CFM	1076 [508]	1059 [500]	1032 [487]	996 [470]	950 [448]	896 [423]	832 [393]
		RPM			730	775	820	865	905	940	975	
	High	High		Watts	356	349	341	331	320	305	287	1033 [488]
3.5 [12.31]	High	Low	10x9 1/2 HP 3 Speed Motor	High	CFM	1222 [577]	1197 [565]	1179 [556]	1162 [548]	1137 [537]	1097 [518]	1033 [488]
		RPM			765	810	855	890	920	960	995	
	Med.	Med.		Watts	423	415	407	397	386	370	351	1197 [565]
4.0 [14.07]	High	Low	10x9 3/4 HP 3 Speed Motor	High	CFM	1514 [715]	1461 [670]	1415 [668]	1370 [647]	1322 [624]	1266 [597]	1197 [565]
		RPM			895	930	965	985	1005	1025	1045	
	See Note Below	See Note Below		Watts	538	514	493	473	454	434	412	1065 [503]
5.0 [17.59]	High	Low	10x9 1 HP ECM (Constant CFM)	Low	CFM	1204 [568]	1202 [567]	1191 [562]	1171 [553]	1143 [539]	1107 [522]	1065 [503]
		RPM			734	810	886	923	959	988	1016	
	High	High		Watts	476	468	450	427	403	380	363	1384 [653]
5.0 [17.59]	High	Low	10x9 1 HP ECM (Constant CFM)	Low	CFM	1674 [790]	1620 [765]	1566 [739]	1511 [713]	1451 [685]	1384 [653]	1305 [616]
		RPM			997	1019	1040	1058	1076	1088	1100	
	See Note Below	See Note Below		Watts	625	596	567	539	512	484	455	1485 [701]
5.0 [17.59]	High	Low	10x9 1 HP ECM (Constant CFM)	Low	CFM	▲ 1843 [870]	▲ 1763 [832]	1693 [799]	1627 [768]	1560 [736]	1485 [701]	1398 [660]
		RPM			1085	1094	1102	1110	1118	1126	1134	
	High	High		Watts	699	663	632	604	576	548	517	1500 [707]
5.0 [17.59]	High	Low	10x9 1 HP ECM (Constant CFM)	Low	CFM	1500 [707]	1500 [707]	1500 [707]	1500 [707]	1500 [707]	1500 [707]	1500 [707]
		RPM			896	956	1008	1062	1093	1145	1194	
	High	High		Watts	317	358	393	435	457	493	531	1850 [873]
5.0 [17.59]	High	Low	10x9 1 HP ECM (Constant CFM)	Low	CFM	1850 [873]	1850 [873]	1850 [873]	1850 [873]	1850 [873]	1850 [873]	1850 [873]
		RPM			1091	1141	1185	1233	1267	1308	1336	
	High	High		Watts	579	630	673	724	759	800	826	1308

NOTE: On 4 ton models, switch to medium speed for cooling if external static pressure is less than 0.4" W.C. at 230 volts or less than 0.3" W.C. at 208 volts.

▲ WARNING: Do not operate unit in area of airflow table shown in bold (CFM greater than 1700 for 4 ton models) due to possibility of water blow-off.

▲ WARNING: Observe airflow operating limits if operating in area of airflow table shown in bold.

DOWN DISCHARGE PRESSURE DROP (ADD TO EXTERNAL STATIC PRESSURE)			
CFM [L/s]	600 [283]	800 [378]	1000 [472]
Pressure Drop—Includes W.C. [kPa]	.00	.02 [0.005]	.05 [0.012]
MINIMUM RECOMMENDED FILTER SIZES	2.0 [7.03]		
Nominal Cooling Capacity Tons [kW]	20 x 20 x 1 [508 x 508 x 25]		
Minimum Filter Size—Inches [mm]	24 x 24 x 1 [610 x 610 x 25]		
	2.5 [8.79] - 4.0 [14.07]		
	5.0 [17.59]		
	24 x 30 x 1 [610 x 762 x 1]		



INDOOR AIRFLOW PERFORMANCE—230 VOLTS

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory		Blower Size/Motor HP [W] & # of Speeds	Motor Speed	CFM [L/s] Air Delivery/RPM/Watts—230 Volts Side Discharge—Wet Coil							
	Cool	Heat			External Static Pressure—Inches W.C. [kPa]							
					0.1 [1.02]	0.2 [1.05]	0.3 [1.07]	0.4 [1.10]	0.5 [1.12]	0.6 [1.15]	0.7 [1.17]	
2.0 [7.03]	High	Low	9x7 1/4 HP 2 Speed Motor	Low	CFM	771 [364]	751 [354]	725 [342]	691 [326]	645 [304]	584 [276]	546 [258]
		Watts			825	870	910	950	985	1010	1030	
	High	High		High	CFM	946 [446]	922 [435]	882 [415]	830 [392]	769 [363]	701 [331]	630 [298]
2.5 [8.79]	Low	Low	10x9 1/2 HP 3 Speed Motor	Low	CFM	1206 [569]	1182 [558]	1157 [546]	1128 [532]	1091 [515]	1044 [493]	983 [464]
		Watts			760	815	870	910	950	975	1000	
	Med.	Low		Med.	CFM	1411 [666]	1368 [646]	1327 [626]	1285 [606]	1238 [584]	1183 [558]	1116 [527]
3.0 [10.55]	High	Low	10x9 1/2 HP 3 Speed Motor	High	CFM	1641 [774]	1577 [744]	1515 [715]	1455 [687]	1393 [657]	1329 [627]	1262 [596]
		Watts			859	905	951	981	1011	1034	1057	
	High	High		High	CFM	1412 [666]	1395 [658]	1371 [647]	1339 [632]	1296 [612]	1242 [586]	1176 [555]
4.0 [14.07]	High	Low	10x9 3/4 HP 3 Speed Motor	Low	CFM	1793 [846]	1731 [817]	1665 [786]	1594 [752]	1519 [717]	1440 [680]	1356 [640]
		Watts			1053	1067	1080	1091	1101	1110	1119	
	High	(See Note Below)		High	CFM	1889 [892]	1826 [852]	1753 [827]	1672 [789]	1586 [749]	1499 [707]	1413 [667]
5.0 [17.59]	High	Low	10x9 1 HP ECM (Constant CFM)	Low	CFM	1110	1117	1124	1129	1133	1139	1144
		Watts			736	715	683	646	608	574	551	
	High	High		High	CFM	1500 [707]	1500 [707]	1500 [707]	1500 [707]	1500 [707]	1500 [707]	1500 [707]
					CFM	895	952	1010	1064	1102	1144	1196
					Watts	318	358	400	442	469	500	541
					CFM	1850 [873]	1850 [873]	1850 [873]	1850 [873]	1850 [873]	1850 [873]	1850 [873]
					RPM	1096	1145	1191	1237	1278	1317	1353
					Watts	593	643	692	743	791	836	875

NOTE: On 4 ton models, switch to medium speed for cooling if external static pressure is less than 0.4" W.C. at 230 volts or less than 0.3" W.C. at 208 volts.
 ▲ **WARNING: Do not operate unit in area of airflow table shown in bold (CFM greater than 1700 for 4 ton models) due to possibility of water blow-off.**
 ▲ **WARNING: Observe airflow operating limits if operating in area of airflow table shown in bold.**



ELECTRICAL DATA – RSNA-B SERIES

		-B024JK	-B030JK	-B036CK	-B036JK	-B042CK	-B042JK	-B048CK	-B048JK	-B060CK	-B060JK
Unit Information	Unit Operating Voltage Range	187-253	187-253	187-253	187-253	187-253	187-253	187-253	187-253	187-253	187-253
	Minimum Circuit Ampacity	16/16	22/22	16/16	22/22	18/18	26/26	22/22	32/32	33/33	43/43
	Minimum Overcurrent Protection Device Size	20/20	25/25	20/20	30/30	20/20	30/30	25/25	40/40	40/40	50/50
	Maximum Overcurrent Protection Device Size	25/25	35/35	25/25	35/35	25/25	40/40	30/30	50/50	50/50	60/60
Compressor Motor	No.	1	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	3	1	3	1	3	1	3	1
	HP	2 1/6	2 2/3	3 1/3	3 1/3	3 1/2	3 1/2	4	4	5	5
	RPM	3450	3450	3450	3450	3450	3450	3450	3450	3450	3450
	Amps (RLA)	10.4/10.4	14.1/14.1	9.6/9.6	14.4/14.4	10.3/10.3	16.5/16.5	12.2/12.2	20.2/20.2	17.3/17.3	25/25
	Amps (LRA)	54/54	68/68	88/88	77/77	77/77	95/95	80.8/80.8	137/137	123/123	148/148
Condenser Motor	No.	1	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1	1	1	1	1	1
	HP	1/5	1/5	1/5	1/5	1/3	1/3	1/3	1/3	1/3	1/3
	Amps (FLA)	1.3	1.3	1.3	1.3	2	2	2	2	2	2
	Amps (LRA)	2.3	2.3	2.3	2.3	3.9	3.9	3.9	3.9	3.9	3.9
Evaporator Fan	No.	1	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1	1	1	1	1	1
	HP	1/4	1/2	1/2	1/2	1/2	1/2	3/4	3/4	1	1
	Amps (FLA)	1.3	2.4	2.4	2.4	2.4	2.4	4.4	4.4	9.1	9.1
	Amps (LRA)	2.3	5.1	5.1	5.1	5.1	5.1	9.5	9.5	0	0

1. Horsepower Per Compressor.
2. Amp Draw Per Motor. Multiply Value By Number of Motors to Determine Total Amps.

Copper Wire Size—AWG (1% Voltage Drop)

SUPPLY WIRE LENGTH-FEET	CIRCUIT AMPACITY																						
	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125
300	4	3	2	2	1	1/0	1/0	2/0	2/0	3/0	3/0	3/0	4/0	4/0	4/0	4/0	250	250	250	250	300	300	300
250	4	4	3	3	2	1	1	1/0	1/0	2/0	2/0	2/0	3/0	3/0	3/0	4/0	4/0	4/0	4/0	4/0	250	250	250
200	6	4	4	4	3	2	2	1	1	1/0	1/0	1/0	2/0	2/0	2/0	3/0	3/0	3/0	3/0	3/0	4/0	4/0	4/0
150	8	6	6	4	4	4	3	3	2	2	1	1	1/0	1/0	1/0	1/0	2/0	2/0	2/0	2/0	2/0	3/0	3/0
100	10	8	8	6	6	6	4	4	4	3	3	2	2	2	1	1	1	1	1	1/0	1/0	1/0	1/0
50	14	12	10	10	8	8	6	6	6	4	4	4	3	3	3	2	2	2	2	2	1	1	1

- Notes: 1. Wire size based on 60°C. type copper conductors below 100 ampacity. 2. Wire size based on 75°C. type copper conductors for 100 ampacity and above.

[] Designates Metric Conversions



ELECTRIC HEATER KITS—RSNA-B SERIES

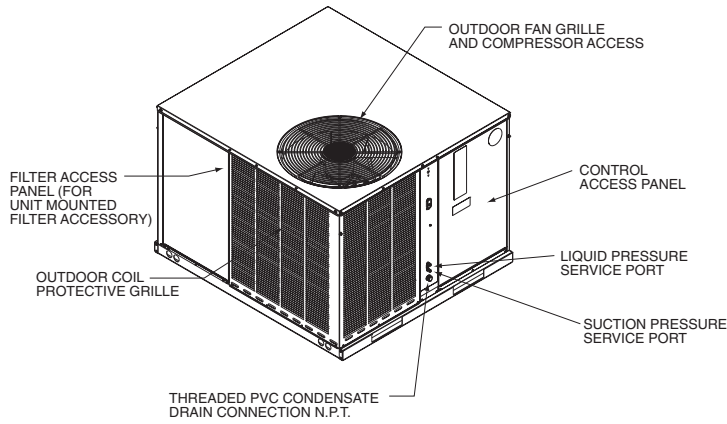
208-240 VOLT, SINGLE PHASE, 60 HZ, AUXILIARY ELECTRIC HEATER KITS CHARACTERISTICS AND APPLICATION

Single Power Supply For Both Unit and Heater Kit										Separate Power Supply For Both Unit and Heater Kit				
Unit Model No. RSNA-B	Heater Kit					Unit					Heater Kit		Air Conditioner	
	RXQJ-Heater Kit Nominal kW	No. of Elements	No. of Sequence Steps	Rated Heater kW @ 208/240 V	Heater KBTU/Hr @ 208/240 V	Heater Amp. @ 208/240 V	Unit Min. Ckt. Ampacity @ 208/240 V	Over Current Protective Device Size		Min. Circuit Ampacity 208/240 V	Max. Fuse Size 208/240V	Min. Ckt. Ampacity 208/240V	Over Current Protective Device Size	
								Min./Max. @ 208 V	Min./Max. @ 240 V				Min./Max. @ 208 V	Min./Max. @ 240 V
B024JK	No Heat A05J A10J	— 1 2	— 1 1	— 3.6/4.8 7.2/9.6	— 12.28/16.38 24.57/32.76	— 17.3/20.0 34.6/40.0	16/16 24/27 45/52	20/25 25/25 45/45	20/25 30/30 60/60	16/16 — —	— 25/25 45/50	— 22/25 44/50	20/25 — —	20/25 — —
B030JK	No Heat A05J A10J	— 1 2	— 1 1	— 3.6/4.8 7.2/9.6	— 12.28/16.38 24.57/32.76	— 17.3/20.0 34.6/40.0	22/22 25/28 47/53	25/35 25/35 50/50	25/35 25/35 60/60	22/22 — —	— 25/25 45/50	— 22/25 44/50	25/35 — —	25/35 — —
B036JK	No Heat A10J A15J	— 2 3	— 1 1	— 7.2/9.6 10.8/14.4	— 24.57/32.76 36.85/49.13	— 34.6/40.0 51.9/60.0	22/22 47/53 68/78	30/35 50/50 70/70	30/35 60/60 80/80	22/22 — —	— 45/50 70/80	— 44/50 65/75	30/35 — —	30/35 — —
B042JK	No Heat A10J A15J	— 2 3	— 1 1	— 7.2/9.6 10.8/14.4	— 24.57/32.76 36.85/49.13	— 34.6/40.0 51.9/60.0	26/26 46/53 68/78	30/40 50/50 70/70	30/40 60/60 80/80	26/26 — —	— 45/50 70/80	— 44/50 65/75	30/40 — —	30/40 — —
B048JK	No Heat B10J B15J	— 2 3	— 1 1	— 7.2/9.6 10.8/14.4	— 24.57/32.76 36.85/49.13	— 34.6/40.0 51.9/60.0	32/32 49/56 70/81	40/50 50/50 80/80	40/50 60/60 90/90	32/32 — —	— 45/50 70/80	— 44/50 65/75	40/50 — —	40/50 — —
B060JK	No Heat B10J B15J	— 2 3	— 1 1	— 7.2/9.6 10.8/14.4	— 24.57/32.76 36.85/49.13	— 34.6/40.0 51.9/60.0	43/43 55/61 76/86	50/60 60/60 80/80	50/60 70/70 90/90	43/43 — —	— 45/50 70/80	— 44/50 65/75	50/60 — —	50/60 — —

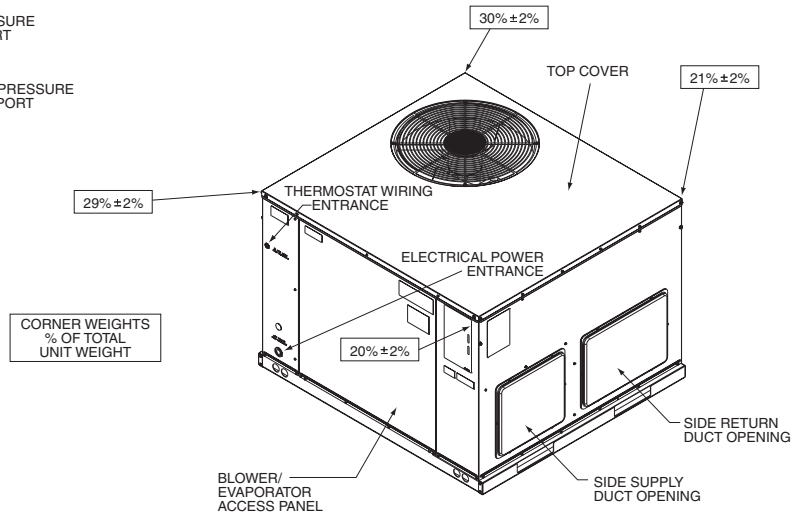
208-240 VOLT, THREE PHASE, 60 HZ, AUXILIARY ELECTRIC HEATER KITS CHARACTERISTICS AND APPLICATION

Single Power Supply For Both Unit and Heater Kit										Separate Power Supply For Both Unit and Heater Kit				
Unit Model No. RSNA-B	Heater Kit					Unit					Heater Kit		Air Conditioner	
	RXQJ-Heater Kit Nominal kW	No. of Elements	No. of Sequence Steps	Rated Heater kW @ 208/240 V	Heater KBTU/Hr @ 208/240 V	Heater Amp. @ 208/240 V	Unit Min. Ckt. Ampacity @ 208/240 V	Over Current Protective Device Size		Min. Circuit Ampacity 208/240 V	Max. Fuse Size 208/240V	Min. Ckt. Ampacity 208/240V	Over Current Protective Device Size	
								Min./Max. @ 208 V	Min./Max. @ 240 V				Min./Max. @ 208 V	Min./Max. @ 240 V
B036CK	No Heat A10C A15C	— 2 3	— 1 1	— 7.2/9.6 10.8/14.4	— 24.57/32.76 36.85/49.13	— 20.0/23.1 30.1/34.7	16/16 28/32 41/47	20/25 30/30 45/45	20/25 35/35 50/50	16/16 — —	— 25/30 40/45	— 25/29 38/44	20/25 — —	20/25 — —
B042CK	No Heat A10C A15C	— 2 3	— 1 1	— 7.2/9.6 10.8/14.4	— 24.57/32.76 36.85/49.13	— 20.0/23.1 30.1/34.7	18/18 28/32 41/46	20/25 30/30 45/45	20/25 35/35 50/50	18/18 — —	— 25/30 40/45	— 25/29 38/44	20/25 — —	20/25 — —
B048CK	No Heat A10C A15C	— 2 3	— 1 1	— 7.2/9.6 10.8/14.4	— 24.57/32.76 36.85/49.13	— 20.0/23.1 30.1/34.7	22/22 31/35 44/49	25/30 35/35 45/45	25/30 35/35 50/50	22/22 — —	— 25/30 40/45	— 25/29 38/44	25/30 — —	25/30 — —
B060CK	No Heat A10C A15C	— 2 3	— 1 1	— 7.2/9.6 10.8/14.4	— 24.57/32.76 36.85/49.13	— 20.0/23.1 30.1/34.7	33/33 37/40 49/55	40/50 40/50 50/50	40/50 40/50 60/60	33/33 — —	— 25/30 40/45	— 25/29 38/44	40/50 — —	40/50 — —

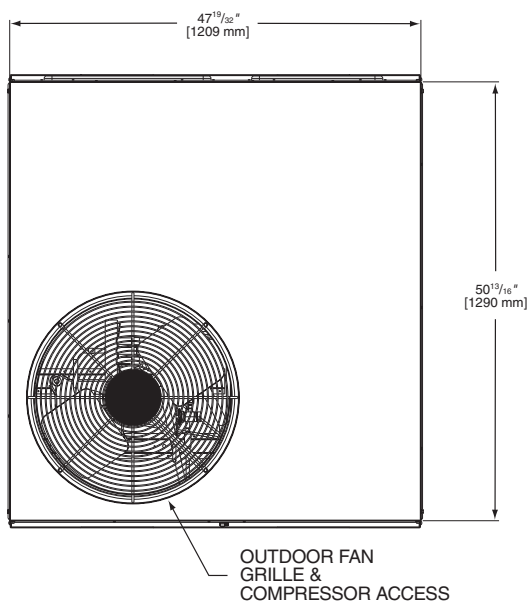
UNIT DIMENSIONS PACKAGE AIR CONDITIONERS



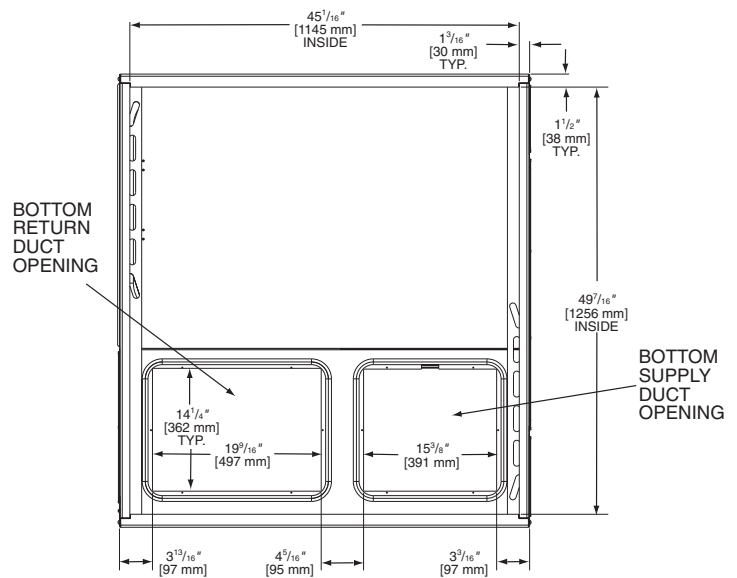
IMPORTANT: UNIT MUST BE LEVEL TO PREVENT WATER MIGRATION



TOP VIEW



BOTTOM VIEW

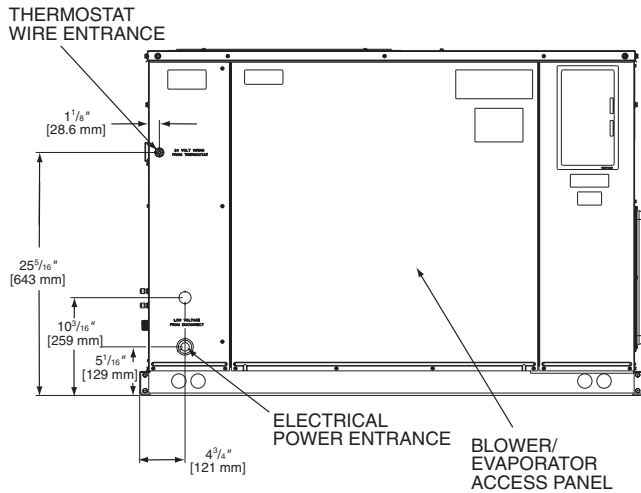


[] Designates Metric Conversions

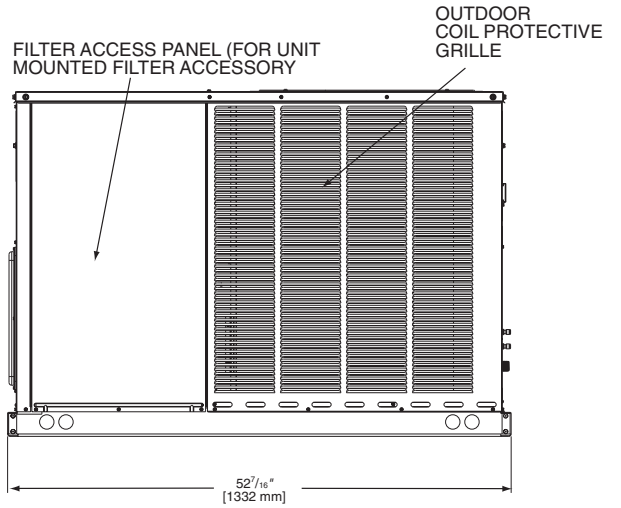


UNIT DIMENSIONS—RSNA-B SERIES

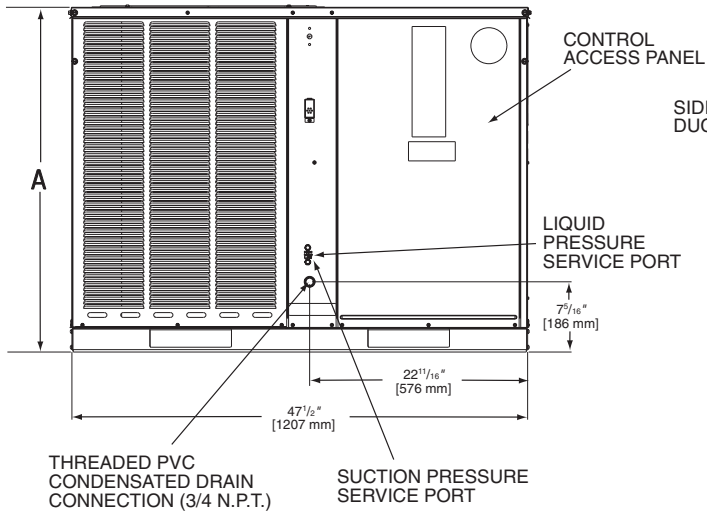
SIDE VIEW



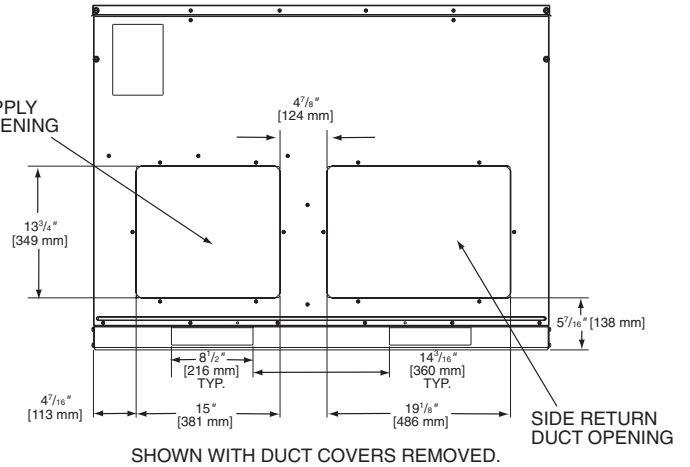
SIDE VIEW



FRONT VIEW



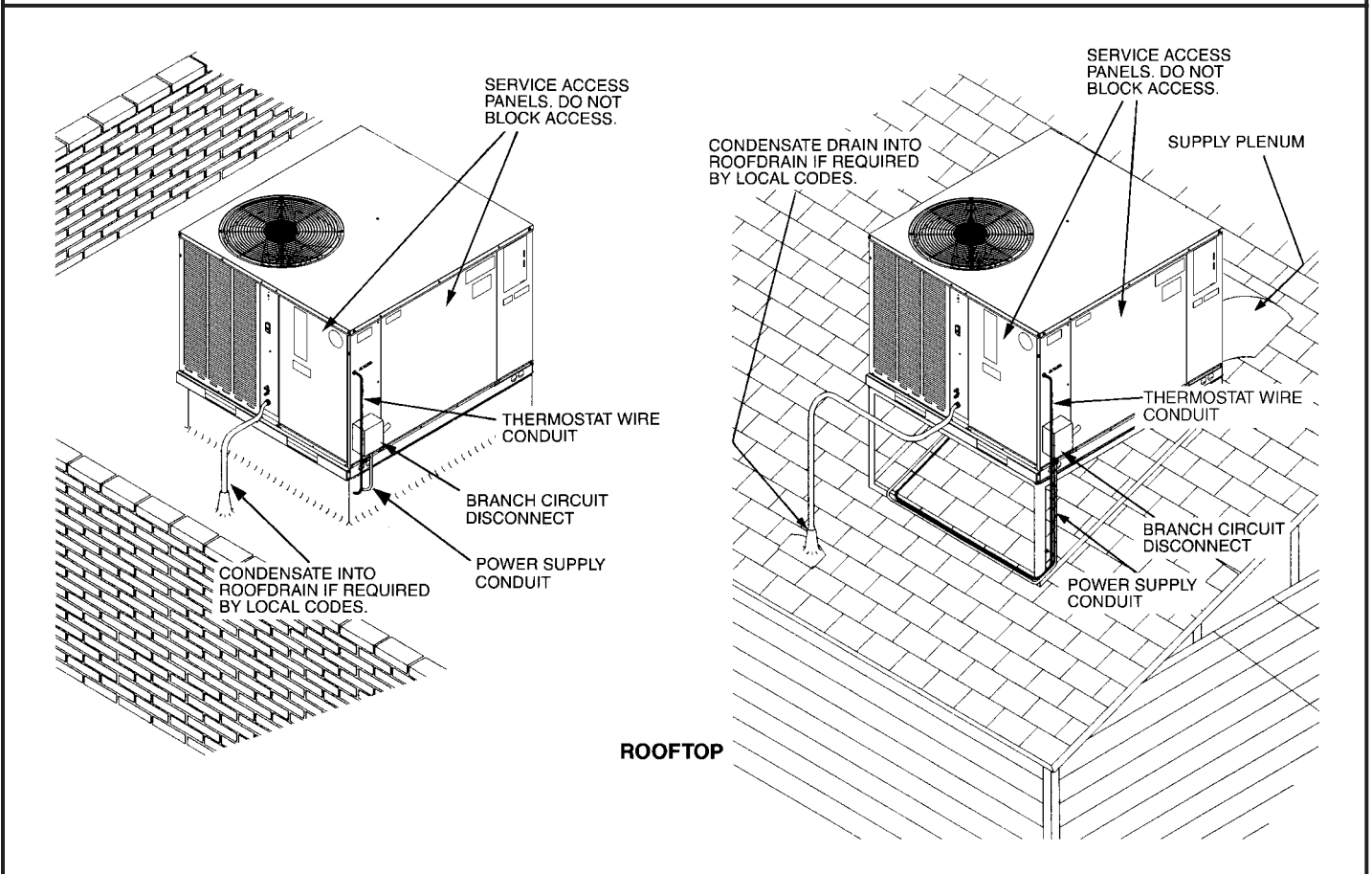
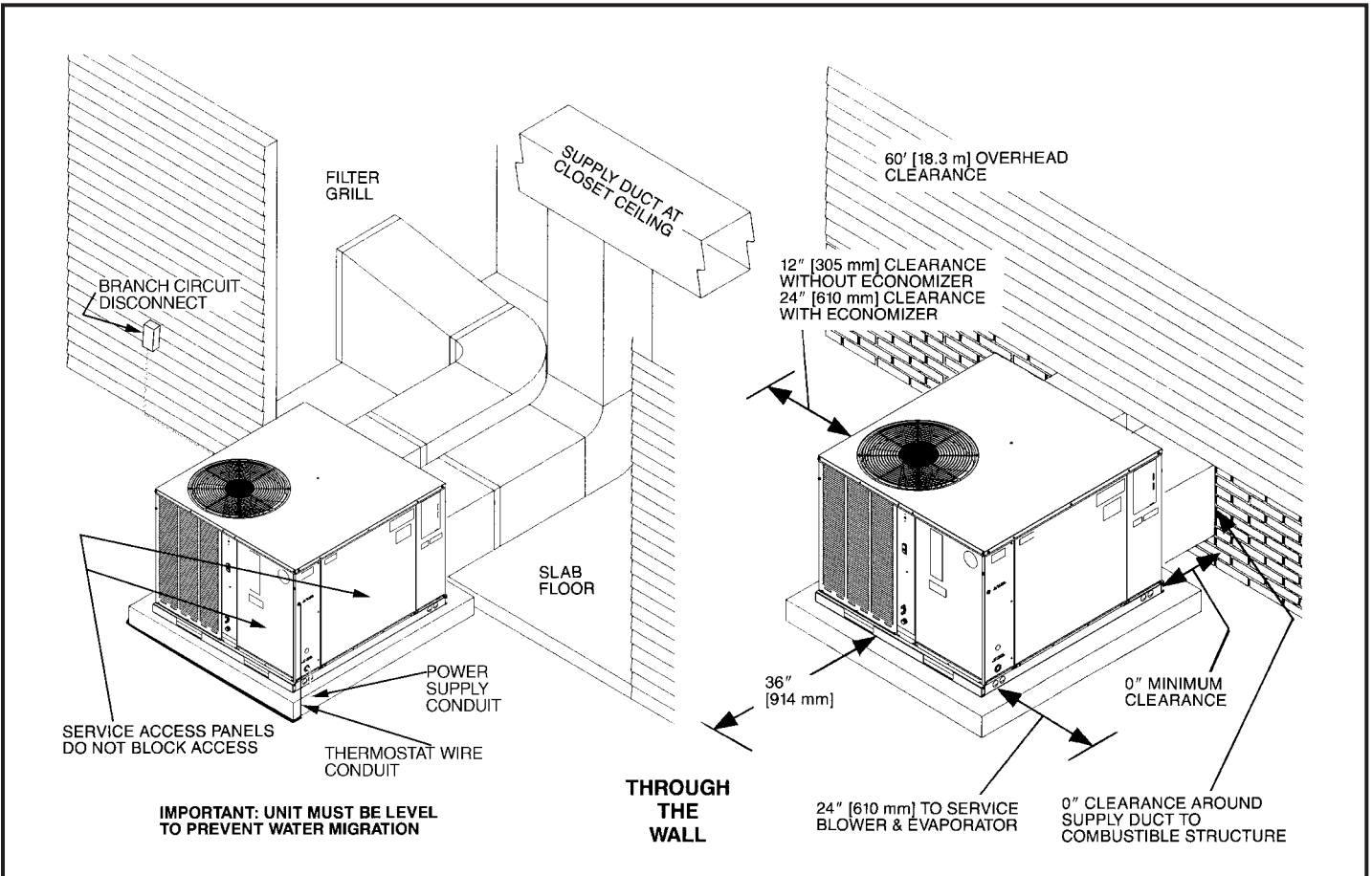
REAR VIEW



IMPORTANT:
 INSTALLATION MUST NOT INTERFERE WITH DRAINAGE OPENINGS IN BOTTOM OF UNIT UNDER OUTDOOR COIL.

Model #	Height "A"
B024, B030, B036	$35\frac{15}{16}$
B042, B048, B060	41

IMPORTANT:
 Unit must be level to prevent water migration.



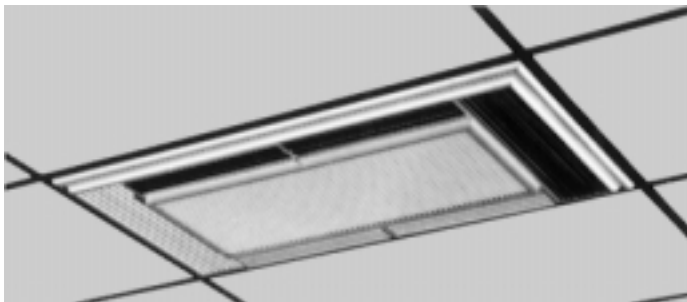
ACCESSORY EQUIPMENT

Accessory Description	Model Application	Accessory Model No.
Roofcurbs	RSNA-B	RXSG-AAA08 (8" [203 mm] Height) RXSG-AAA14 (14" [356 mm] Height) RXSG-AAA24 (24" [610 mm] Height)
Supply & Return Diffusers	RSNA-B	RXRN-BD15
Economizers (Downflow ONLY)	RSNA-B	RXRE-CAA30 (3 Position) RXRD-CAM10 (Fully Modulating)
Fresh Air Damper	RSNA-B	RXRF-FAB1 (Motorized-35%) RXRF-FAA1 (Fixed-35%)
Rectangular to Round Transition (Downflow)	RSNA-B	RXMC-CA02 (16" [406 mm] Ducts) RXMC-CA03 (18" [457 mm] Ducts)
Filter Kit	RSNA-B	RXRY-B01
Low Ambient Control	RSNA-B	RXRZ-A18
High Pressure Control	RSNA-B	RXAB-A02
Low Pressure Control	RSNA-B	RXAC-A02
Sideflow Rectangular to Round Transition	RSNA-B	RXMC-BA01
LP Conversion Kits	RSNA-B	RXGJ-EP84W (White-Rodgers Gas Valve) RXGJ-EP85H (Honeywell Gas Valve)
Canadian High Altitude Kit (for Natural Gas only*)	RSNA-B	RXRX-AH01

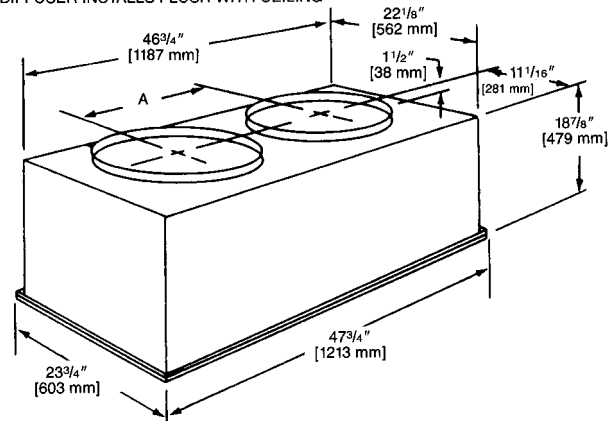
*If a particular unit is to be converted to operate on LP (propane) for elevations above 2000 ft. [609.6 m] in Canada, the existing Natural Gas to LP Conversion Kits for the subject models already contain the necessary orifices and instructions to de-rate the input for 2000-4500 ft. [609.6-1371.6 m] Canadian applications.

[] Designates Metric Conversions

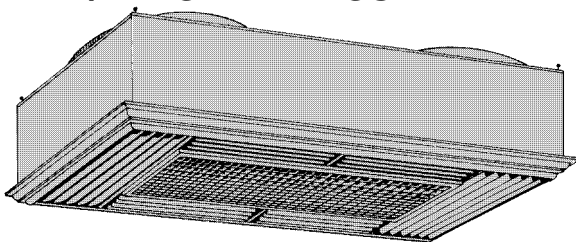
COMMON SUPPLY/RETURN CONCENTRIC AIR DIFFUSER



DIFFUSER INSTALLS FLUSH WITH CEILING



SUPPLY/RETURN DIFFUSER



Designed to convert a side by side or an over and under arrangement into a concentric distribution of air. The diffuser is flush mounted, completely insulated, assembled, and internally baffled to provide four way supply air distribution with a center return. To make the assembly complete and ready to fit into a 2' [0.61 m] x 4' [1.22 m] suspended ceiling grid, the diffuser includes adjustable supply louvers, hanging rings, anti-sweat gasket, and round flanges for use with flexible ducts.

Model No.	Diameter Inches [mm]	Shipping Wt. Lbs. [kg]	Dimension A Inches [mm]
RXRN-BD15	16 [406]	90 [40.82]	20 1/2 [521]

NOTE: The location of the combination supply and return diffuser should not exceed 10 feet [3.05 m] above the floor level for units @ 1000 CFM [472 L/s] or less and 12 [3.66 m] to 14 feet [4.27 m] above the floor level for units with CFM greater than 1000 [472 L/s]. If the diffuser is installed with a greater distance than recommended above, the supply air may become stratified above the required comfort area causing uncomfortable conditions.

AIRFLOW/PRESSURE DROP INFORMATION (INCHES W.C. [kPa])

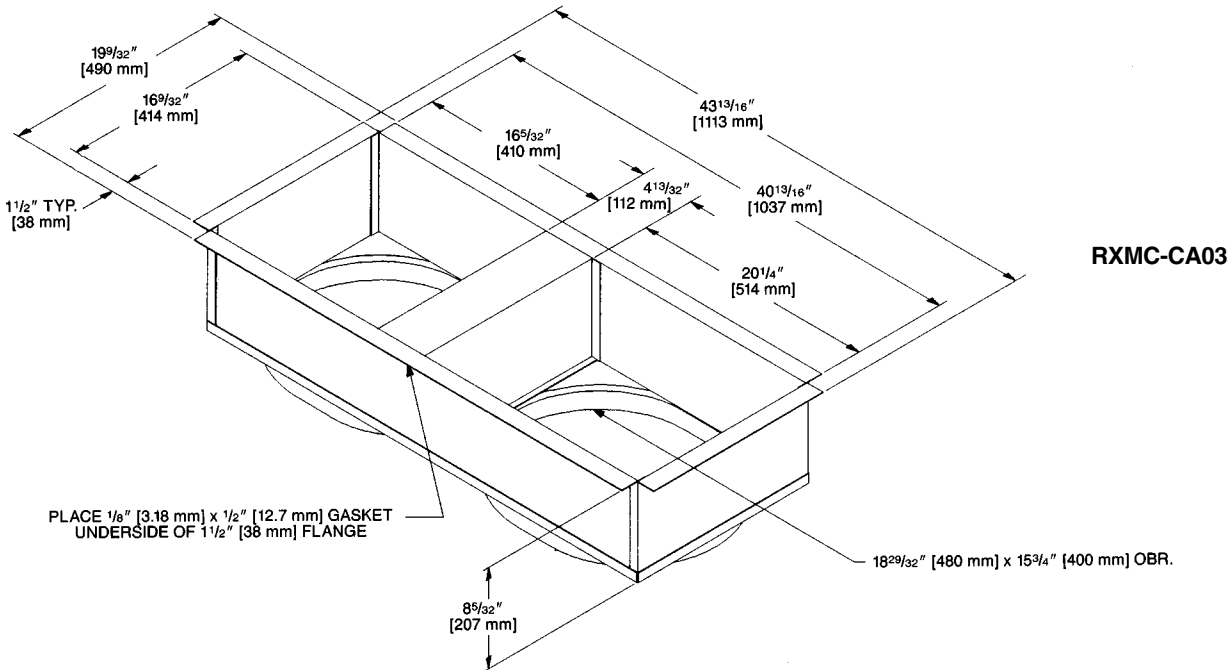
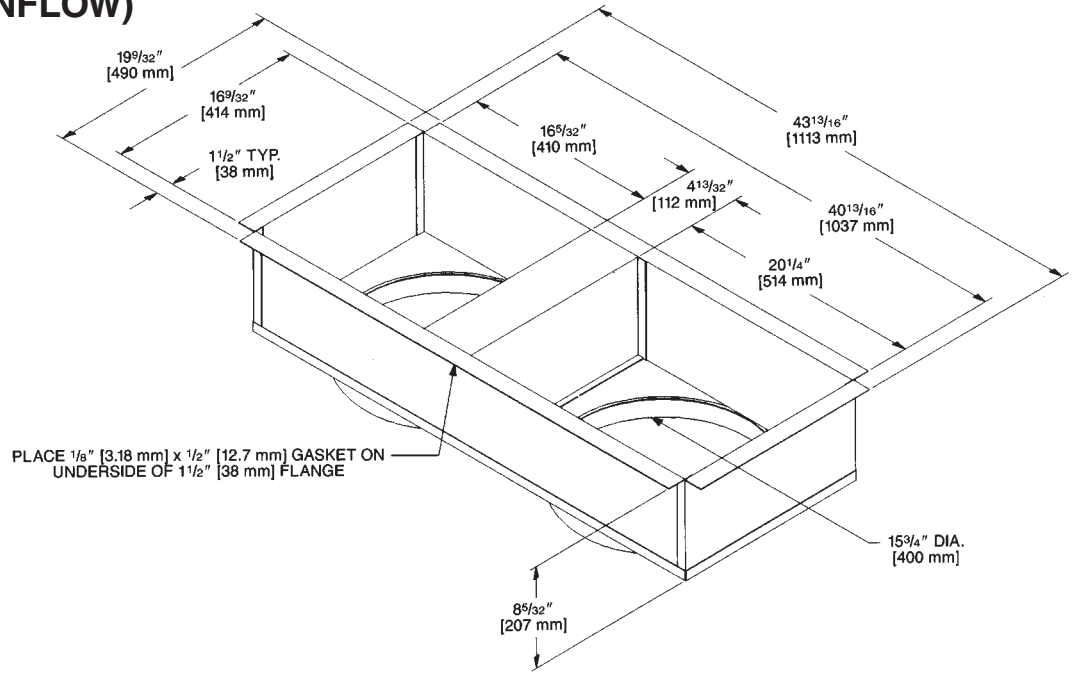
Accessory	Approximate CFM [L/s]-Supply Air			
	1300 [614]	1575 [743]	1800 [850]	2200 [1038]
Plenum & Supply/Return Duct	.07 [.017]	.10 [.024]	.12 [.030]	.17 [.042]
Diffuser	.09 [.022]	.13 [.032]	.16 [.040]	.24 [.060]
Economizer	.06 [.015]	.09 [.022]	.11 [.027]	.17 [.042]

SUPPLY AIR/PERFORMANCE

Diffuser Airflow CFM [L/s]	Range of Throw Ft. [m]
800 [378]-1200 [566]	14 [4.27]-16 [4.88]
1600 [755]-2000 [944]	18 [5.49]-28 [8.53]

DUCT ADAPTERS RECTANGULAR TO ROUND TRANSITIONS (DOWNFLOW)

RXMC-CA02



RXMC-CA03

[] Designates Metric Conversions

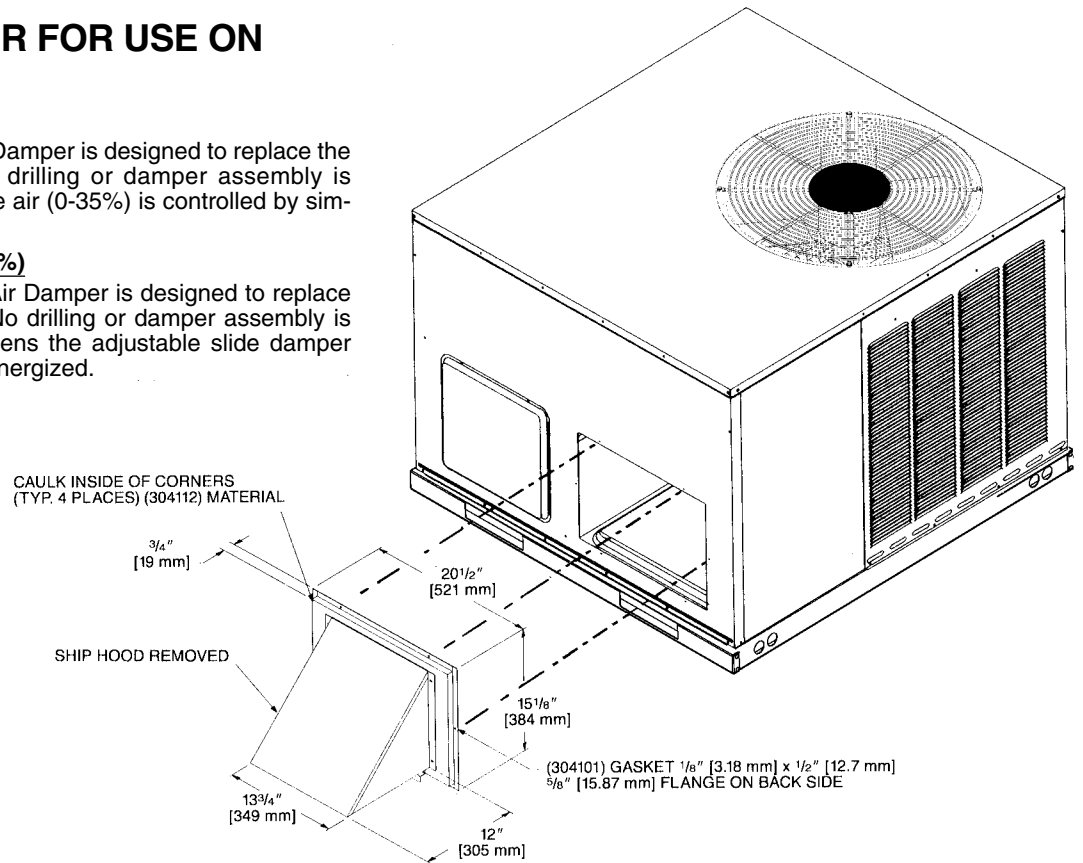
FRESH AIR DAMPER FOR USE ON RSNA-B SERIES

RXRF-FAA1 (Fixed - 0-35%)

The 0-35% manual outside Air Damper is designed to replace the unit return air duct cover. No drilling or damper assembly is required. The amount of outside air (0-35%) is controlled by simply adjusting the side damper.

RXRF-FAB1 (Motorized - 0-35%)

The 0-35% motorized outside Air Damper is designed to replace the unit return air duct cover. No drilling or damper assembly is required. The control motor opens the adjustable slide damper when the unit blower motor is energized.



ECONOMIZERS

RXRE-CAA30 (3 Position) and RXRD-CAM10 (Fully Modulating) for RSNA-B Series

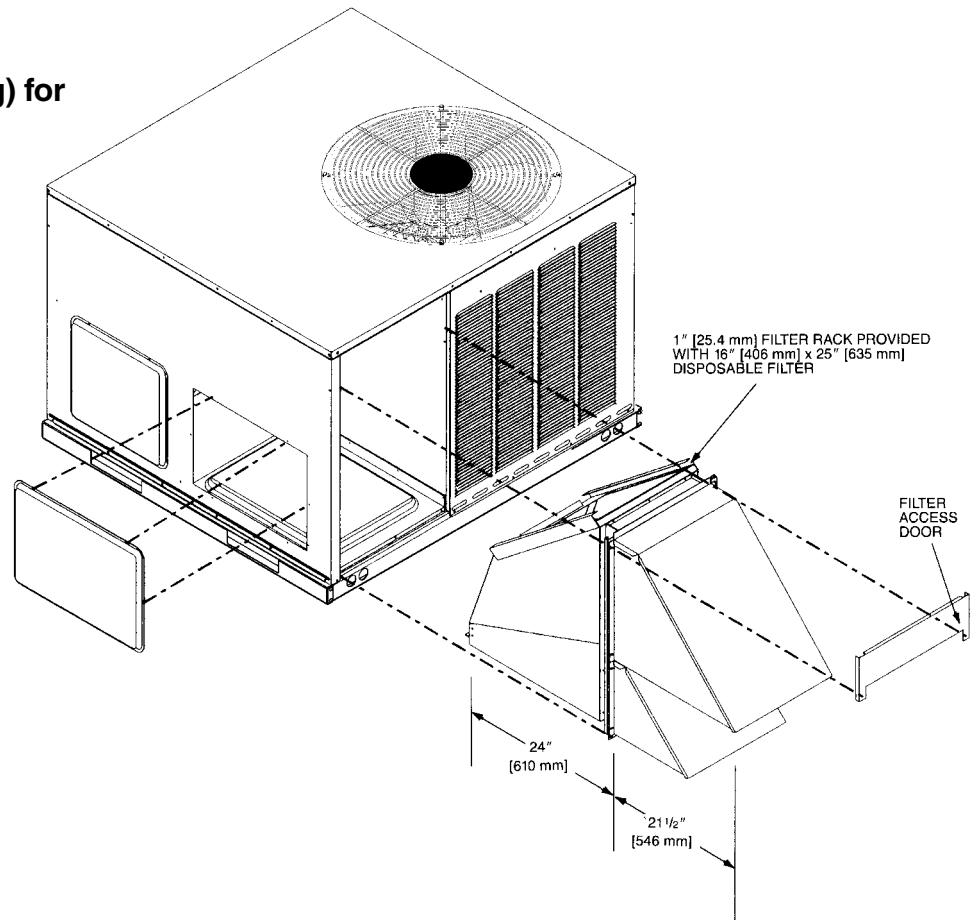
RXRE-CAA30 (3 Position)

Provided with enthalpy control, and mixed air sensor. Settings include fully open, fully closed and adjustable mid point.

RXRD-CAM10 (Fully Modulating)

Provided with enthalpy control, mixed air sensor and minimum position potentiometer for proportioning (modulating) the amount of fresh air.

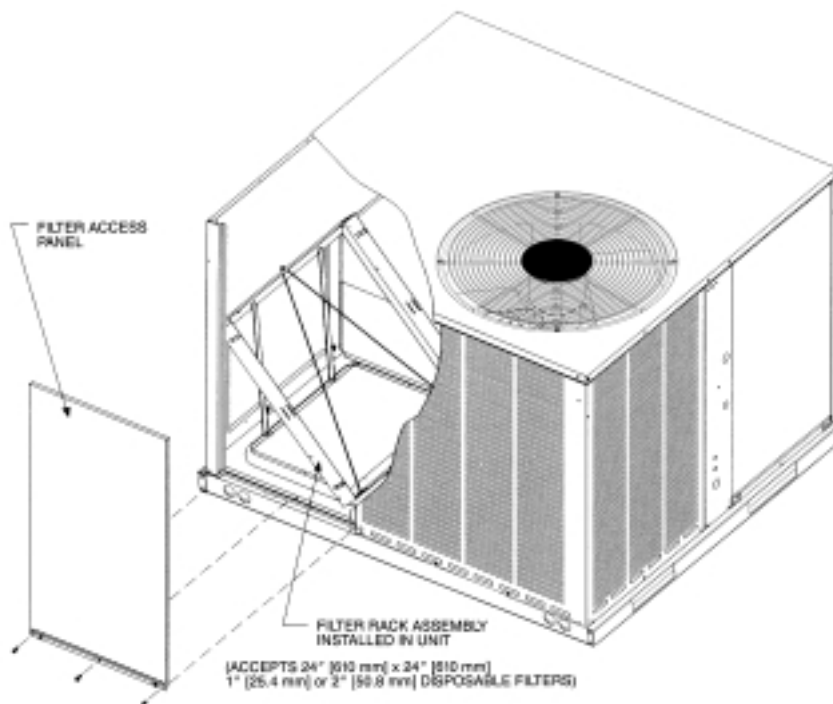
Note: See economizer installation instructions for correct filter access door.



[] Designates Metric Conversions

FILTER KIT INSTALLATION RXRY-B01

For use in either
vertical or horizontal
discharge.



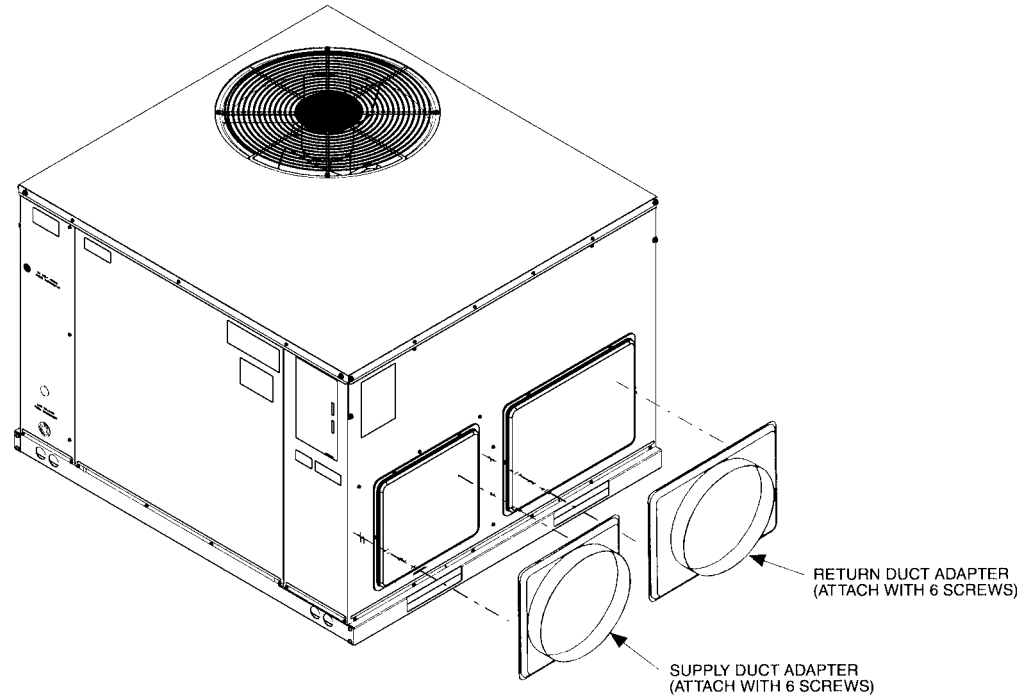
Model No.	CFM [L/s]		
	Minimum Airflow	Nominal Airflow	Maximum Airflow
RSNA-B	510 [241]	600 [283]	660 [311]
RSNA-B	680 [321]	800 [378]	880 [415]
RSNA-B	850 [401]	1000 [472]	1100 [519]
RSNA-B	1020 [481]	1200 [566]	1320 [623]
RSNA-B	1190 [562]	1400 [661]	1540 [727]
RSNA-B	1275 [602]	1500 [708]	1650 [779]

CFM [L/s]	Airflow Pressure Drop, Inches W.C. [kPa]	
	1" Filter	2" Filter
500 [236]	.02 [.0050]	.03 [.0075]
600 [283]	.02 [.0050]	.03 [.0075]
700 [330]	.03 [.0075]	.04 [.0101]
800 [378]	.04 [.0101]	.05 [.0124]
900 [425]	.05 [.0124]	.06 [.0149]
1000 [472]	.07 [.0174]	.08 [.0199]
1100 [519]	.08 [.0199]	.09 [.0224]
1200 [566]	.10 [.0249]	.12 [.0299]
1300 [614]	.13 [.0324]	.15 [.0373]
1400 [661]	.16 [.0398]	.19 [.0473]
1500 [708]	.19 [.0473]	.21 [.0523]
1600 [755]	.20 [.0498]	.23 [.0572]
1700 [802]	.21 [.0523]	.24 [.0598]
1800 [850]	.22 [.0548]	.25 [.0623]
1900 [897]	.24 [.0598]	.27 [.0672]
2000 [944]	.26 [.0647]	.29 [.0722]

[] Designates Metric Conversions

DUCT ADAPTER SIDEFLOW SQUARE TO ROUND TRANSITION RXMC-BA01

Adapts the side rectangular supply and return openings to 14" [356 mm] diameter round openings. Adapters provided with same finish as unit and also provided with thermal insulation.

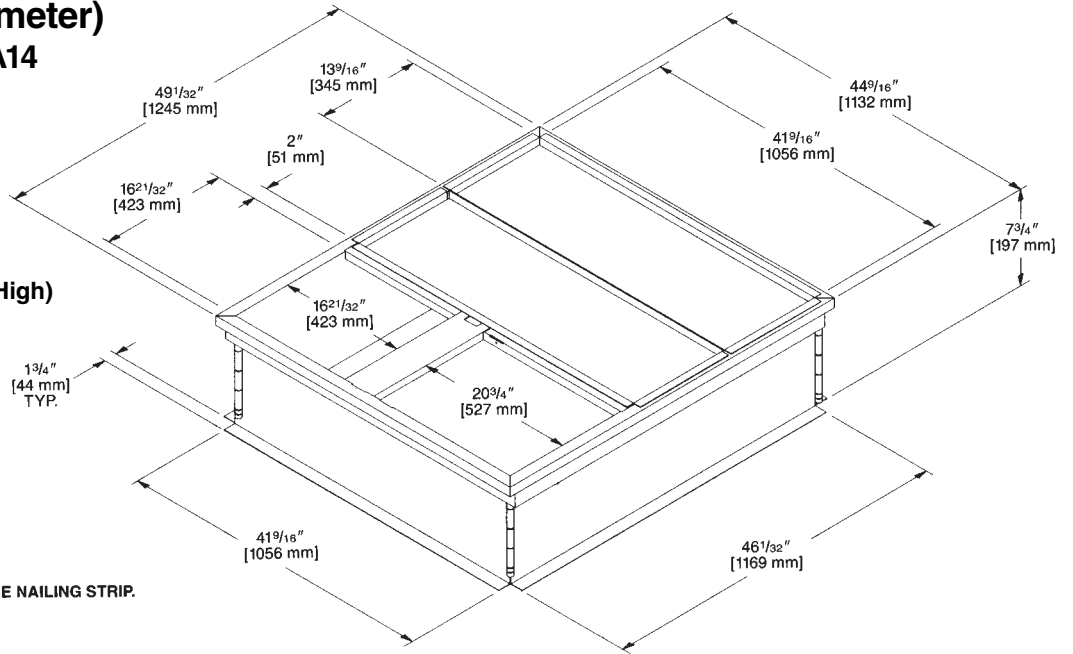


ROOFCURB (Full Perimeter) RXSG-AAA08, RXSG-AAA14 and RXSG-AAA24 for RSNA-B Series

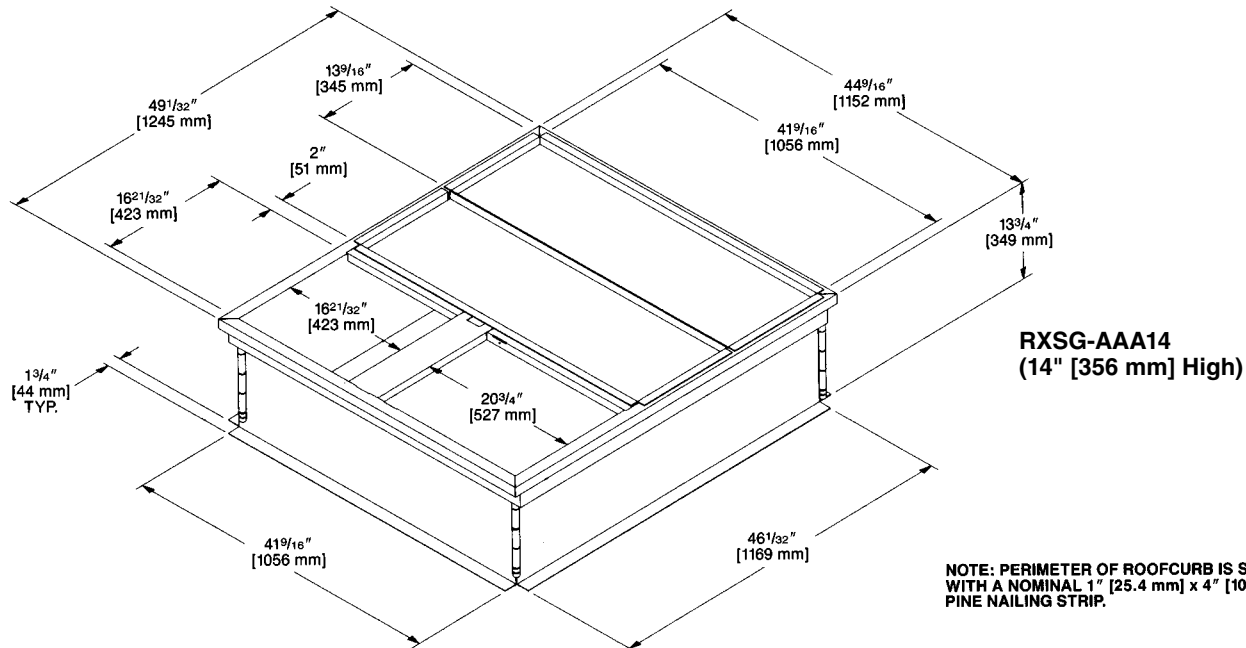
Hinged corners make for fast, easy set-up.

RXSG-AAA08
(8" [203 mm] High)

NOT for use with RQKA/RQLA/RQMA Package Heat Pumps.



NOTE: PERIMETER OF ROOFCURB IS SUPPLIED WITH A NOMINAL 1" [25.4 mm] x 4" [102 mm] PINE NAILING STRIP.

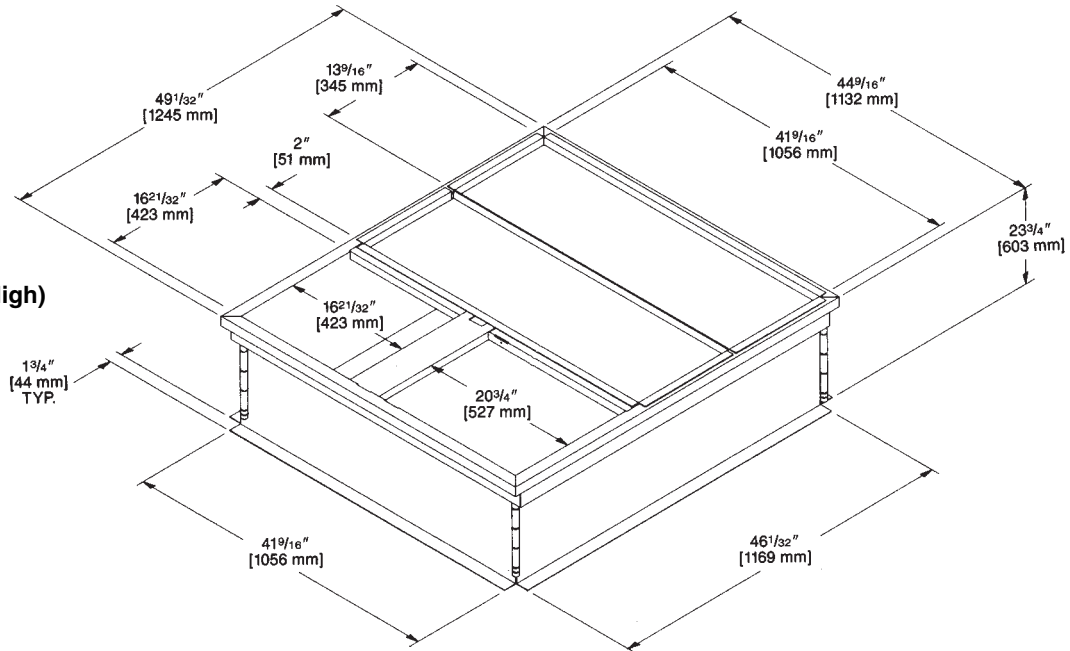


NOTE: PERIMETER OF ROOFCURB IS SUPPLIED WITH A NOMINAL 1" [25.4 mm] x 4" [102 mm] PINE NAILING STRIP.

[] Designates Metric Conversions

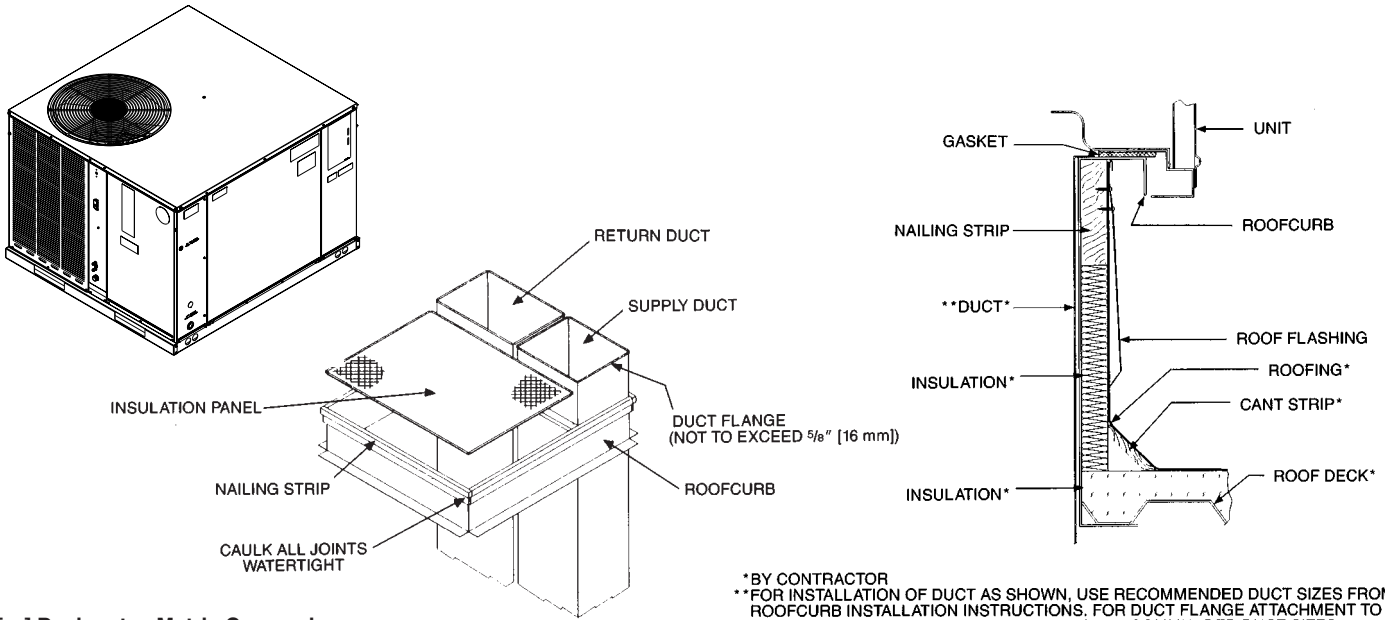
ROOFCURB (Full Perimeter) (Cont.)

RXSG-AAA24
(24" [610 mm] High)



[] Designates Metric Conversions

PACKAGE AIR CONDITIONERS & GAS/ELECTRIC PACKAGE UNITS ROOFCURB INSTALLATION (Full Perimeter)

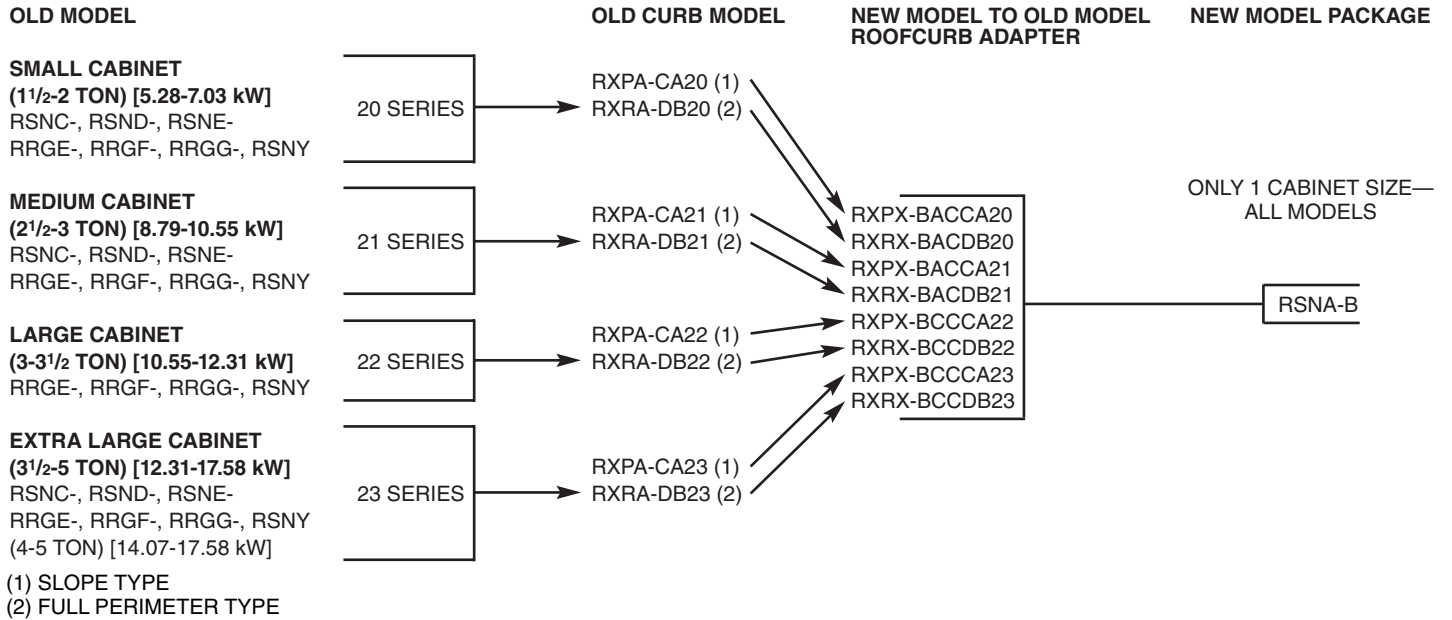


*BY CONTRACTOR
 **FOR INSTALLATION OF DUCT AS SHOWN, USE RECOMMENDED DUCT SIZES FROM ROOFCURB INSTALLATION INSTRUCTIONS. FOR DUCT FLANGE ATTACHMENT TO UNIT, SEE UNIT INSTALLATION INSTRUCTIONS FOR RECOMMENDED DUCT SIZES.

[] Designates Metric Conversions

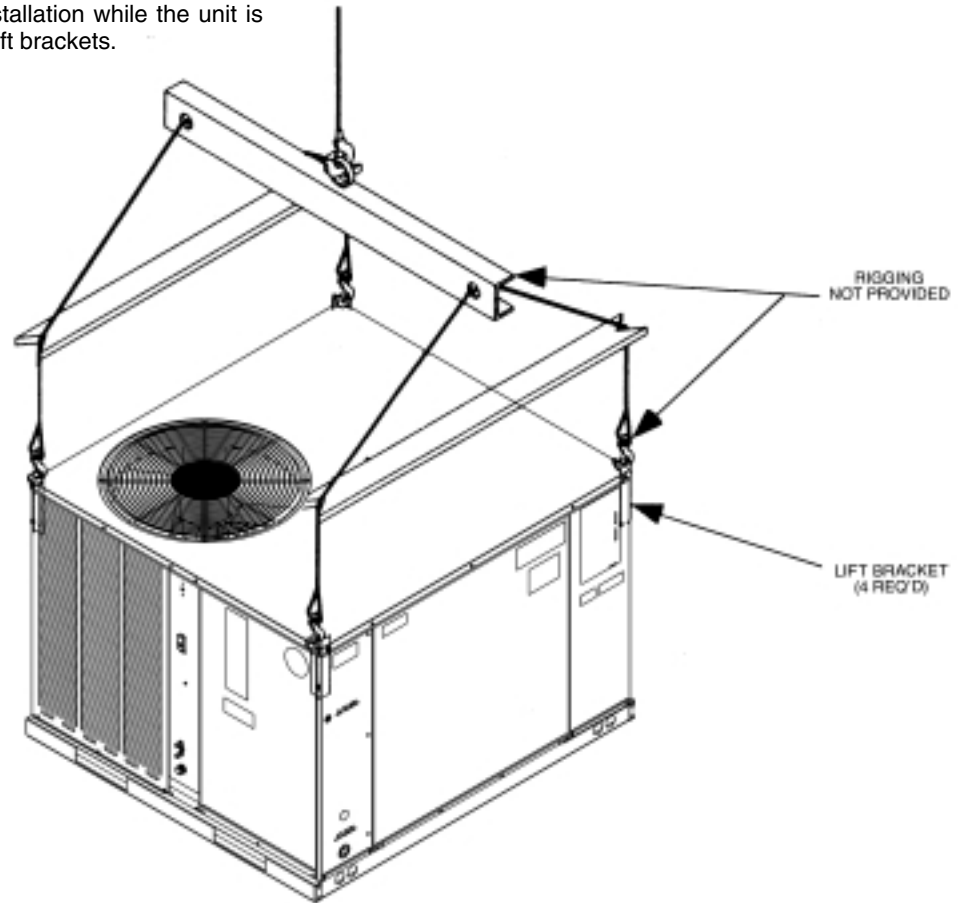
ROOFCURB ADAPTERS

Fabricated from galvanized steel to adapt the New cabinet to the old style curb. All are furnished with a New gasket.



LIFT KIT—MODEL NO. RXML-A01

The lift kit is intended for temporary installation while the unit is being lifted into position. Kit includes 4 lift brackets.



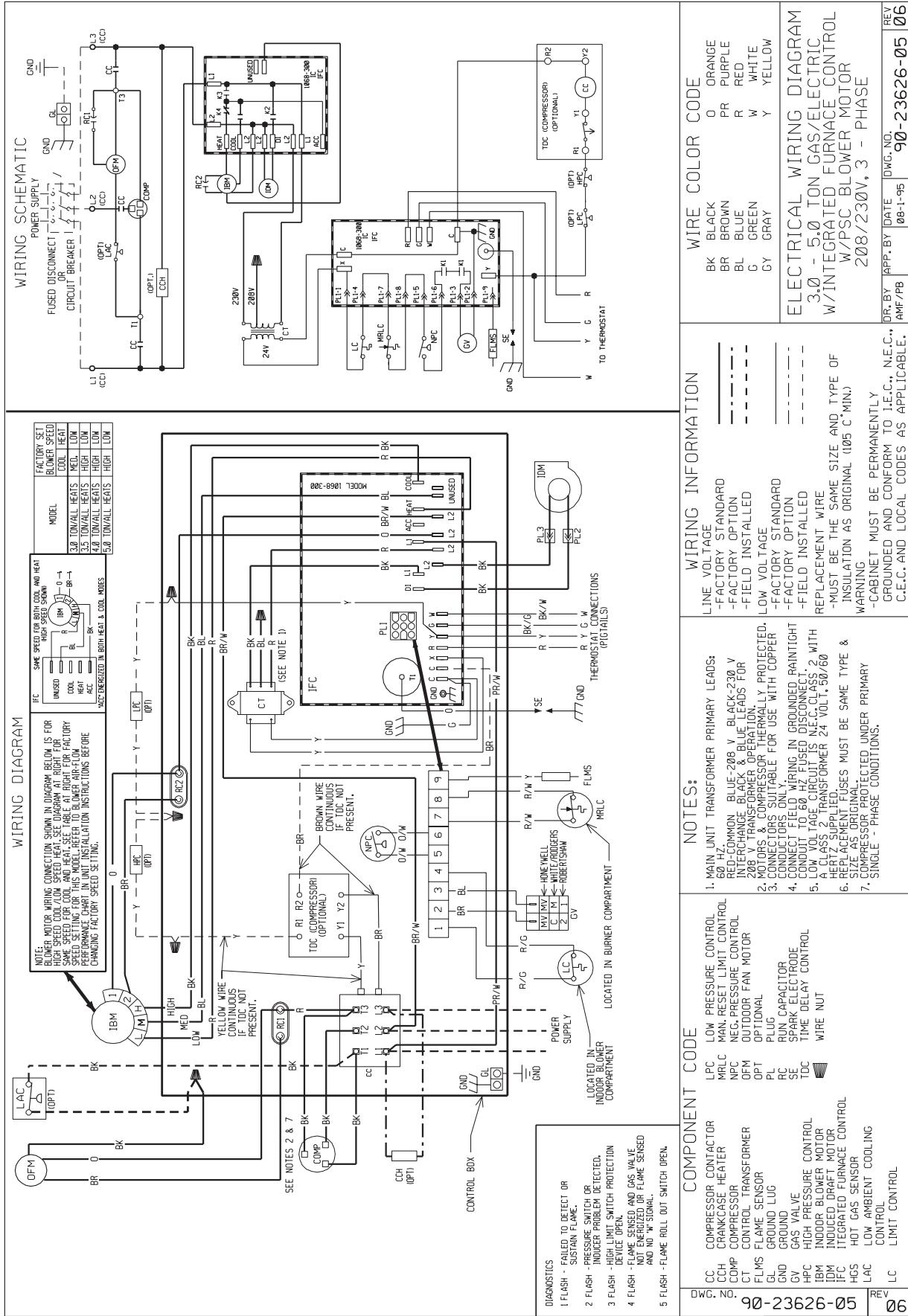
ELECTRIC HEATER KITS—RSNA-B

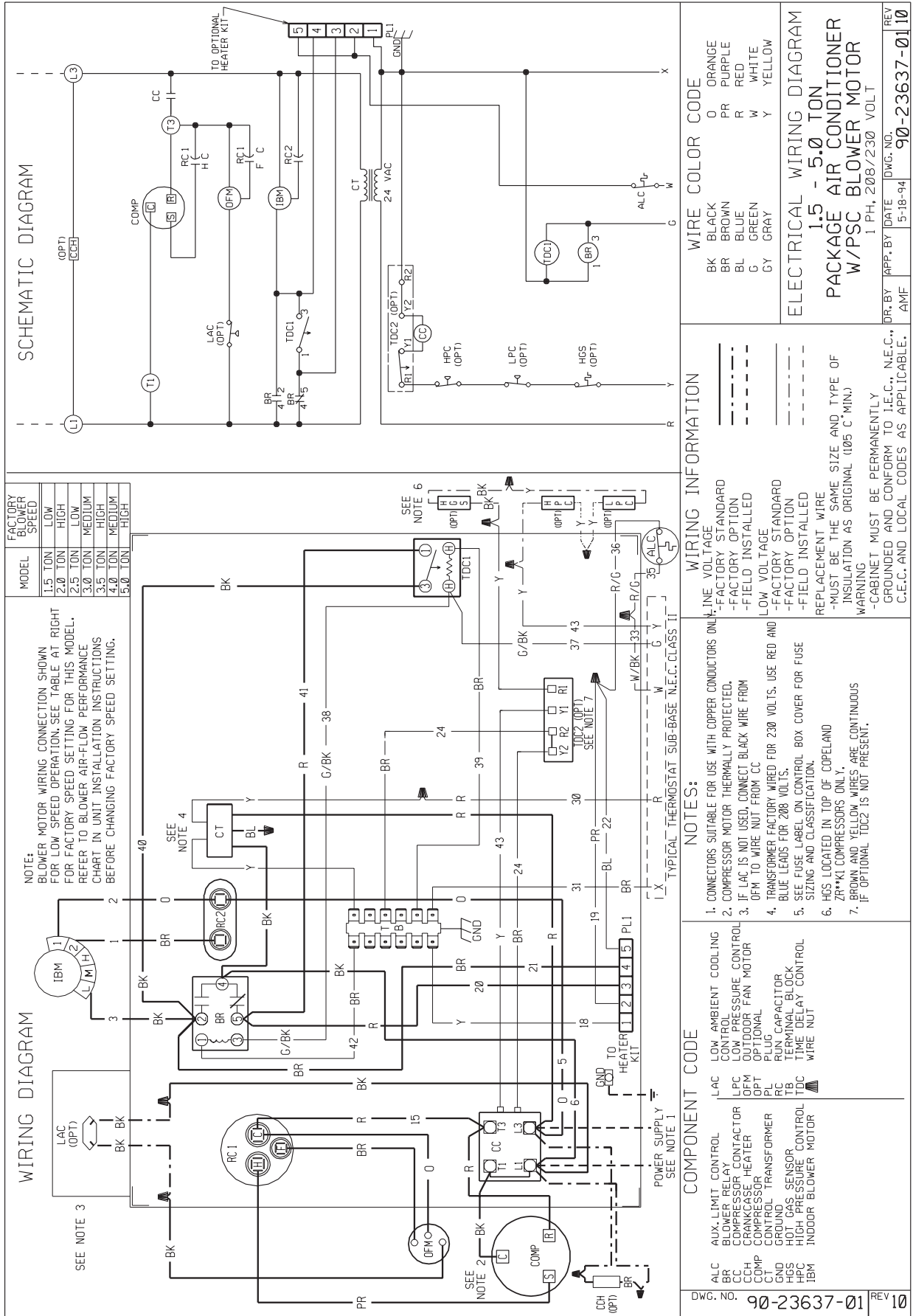
Unit Model Application	Electric Heater Kit Models
RSNA-B024JK	RXQJ-A05J (208-240 volt, 1-ph, 5kW)
	RXQJ-A10J (208-240 volt, 1-ph, 10kW)
RSNA-B030JK	RXQJ-A05J (208-240 volt, 1-ph, 5kW)
	RXQJ-A10J (208-240 volt, 1-ph, 10kW)
RSNA-B036JK	RXQJ-A10J (208-240 volt, 1-ph, 10kW)
	RXQJ-A15J (208-240 volt, 1-ph, 15kW)
RSNA-B042JK	RXQJ-B10J (208-240 volt, 1-ph, 10kW)
	RXQJ-B15J (208-240 volt, 1-ph, 15kW)
RSNA-B048JK	RXQJ-B10J (208-240 volt, 1-ph, 10kW)
	RXQJ-B15J (208-240 volt, 1-ph, 15kW)
RSNA-B036CK	RXQJ-A10C (208-240 volt, 3-ph, 10kW)
	RXQJ-A15C (208-240 volt, 3-ph, 15kW)
	RXQJ-A16C (208-240 volt, 3-ph, 15kW-Canadian)
RSNA-B042CK	RXQJ-A10C (208-240 volt, 3-ph, 10kW)
	RXQJ-A15C (208-240 volt, 3-ph, 15kW)
RSNA-B048CK, RSNA-B060CK	RXQJ-A10C (208-240 volt, 3-ph, 10kW)
	RXQJ-A15C (208-240 volt, 3-ph, 15kW)

[] Designates Metric Conversions

WARNING

ONLY ELECTRIC HEATER KITS SUPPLIED BY THIS MANUFACTURER AS DESCRIBED IN THIS PUBLICATION HAVE BEEN DESIGNED, TESTED, AND EVALUATED BY A NATIONALLY RECOGNIZED SAFETY TESTING AGENCY FOR USE WITH THIS UNIT. USE OF ANY OTHER MANUFACTURED ELECTRIC HEATERS INSTALLED WITHIN THIS UNIT MAY CAUSE HAZARDOUS CONDITIONS RESULTING IN PROPERTY DAMAGE, FIRE, BODILY INJURY OR DEATH.





MODEL	FACTORY BLOWER SPEED
1.5 TON	LOW
2.0 TON	HIGH
2.5 TON	LOW
3.0 TON	MEDIUM
3.5 TON	HIGH
4.0 TON	MEDIUM
5.0 TON	HIGH

NOTE:
 BLOWER MOTOR WIRING CONNECTION SHOWN FOR LOW SPEED OPERATION. SEE TABLE AT RIGHT FOR LOW SPEED SETTING FOR THIS MODEL. REFER TO BLOWER AIR-FLOW PERFORMANCE CHART IN UNIT INSTALLATION INSTRUCTIONS BEFORE CHANGING FACTORY SPEED SETTING.

WIRING DIAGRAM

SCHEMATIC DIAGRAM

WIRE COLOR CODE	WIRE COLOR CODE
BK	BLACK
BR	BROWN
BL	BLUE
G	GREEN
GY	GRAY
OR	ORANGE
PR	PURPLE
RED	RED
W	WHITE
Y	YELLOW

ELECTRICAL WIRING DIAGRAM
1.5 - 5.0 TON
PACKAGE AIR CONDITIONER
W/PSC BLOWER MOTOR
 I PH, 208/230 VOLT

WIRING INFORMATION

- LINE VOLTAGE
- FACTORY STANDARD
- FACTORY OPTION
- FIELD INSTALLED
- LOW VOLTAGE
- FACTORY STANDARD
- FACTORY OPTION
- FIELD INSTALLED

REPLACEMENT WIRE
 - MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL (105 C MIN.)
 - CABINET MUST BE PERMANENTLY GROUNDED AND CONFORM TO I.E.C., N.E.C., C.E.C. AND LOCAL CODES AS APPLICABLE.

NOTES:

- CONNECTORS SUITABLE FOR USE WITH COPPER CONDUCTORS ONLY.
- COMPRESSOR MOTOR THERMALLY PROTECTED.
- IF LAC IS NOT USED, CONNECT BLACK WIRE FROM OFM TO WIRE NUT FROM CC.
- TRANSFORMER FACTORY WIRED FOR 230 VOLTS. USE RED AND BLUE LEADS FOR 208 VOLTS.
- SEE FUSE LABEL ON CONTROL BOX COVER FOR FUSE SIZES AND CLASSIFICATION.
- HGS LOCATED IN TOP OF COPELAND ZR**KI COMPRESSORS ONLY.
- BROWN AND YELLOW WIRES ARE CONTINUOUS. IF OPTIONAL TDC2 IS NOT PRESENT.

COMPONENT CODE

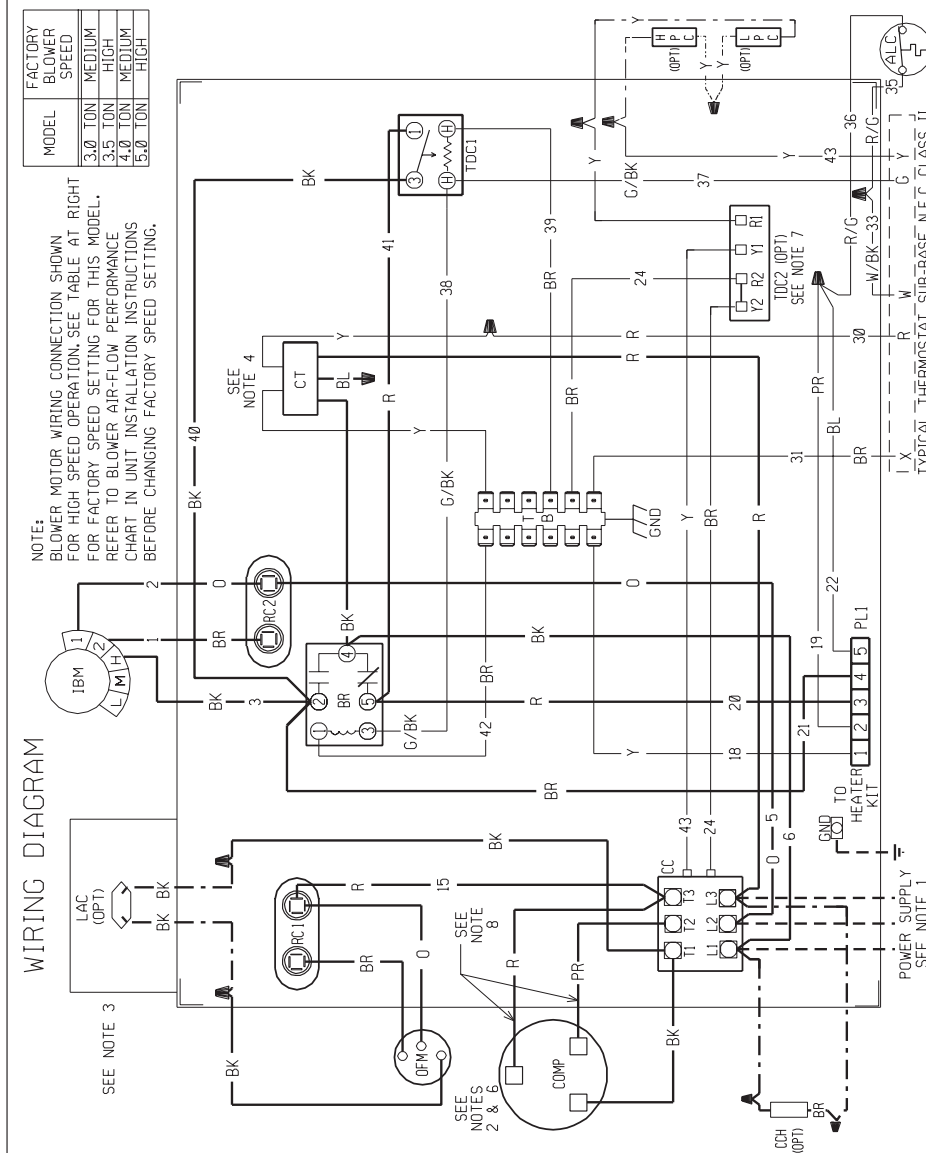
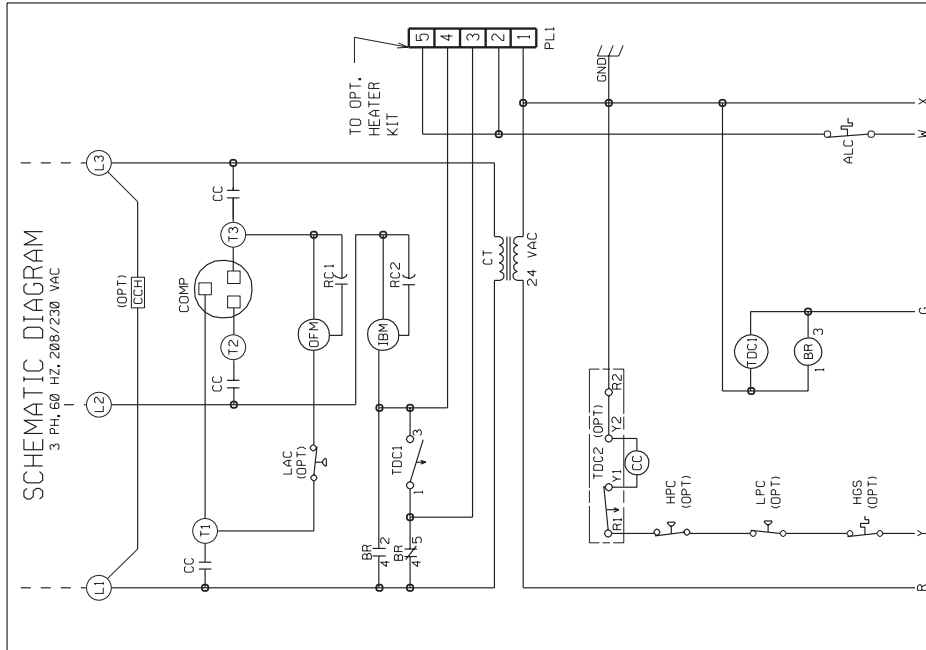
- ALC LOW AMBIENT COOLING CONTROL
- BR BLOWER RELAY
- CC COMPRESSOR CONTACTOR
- CCH CRANKCASE HEATER
- COMP COMPRESSOR
- CT CONTROL TRANSFORMER
- GROUND
- HOT GAS SENSOR
- HIGH PRESSURE CONTROL
- INDOOR BLOWER MOTOR
- LAC
- LPC
- OFM
- OPT
- PL
- PLUG
- RUN CAPACITOR
- TERMINAL BLOCK
- TB TIME DELAY CONTROL
- WIRE NUT

WIRING INFORMATION

- LINE VOLTAGE
- FACTORY STANDARD
- FACTORY OPTION
- FIELD INSTALLED
- LOW VOLTAGE
- FACTORY STANDARD
- FACTORY OPTION
- FIELD INSTALLED

REPLACEMENT WIRE
 - MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL (105 C MIN.)
 - CABINET MUST BE PERMANENTLY GROUNDED AND CONFORM TO I.E.C., N.E.C., C.E.C. AND LOCAL CODES AS APPLICABLE.

DWG. NO.	REV	DR. BY	APP. BY	DATE	DWG. NO.	REV
90-23637-01	10	AMF		5-18-94	90-23637-01	10



WIRE COLOR CODE

BK	BLACK
BR	BROWN
BL	BLUE
G	GREEN
GY	GRAY
O	ORANGE
PR	PURPLE
R	RED
W	WHITE
Y	YELLOW

ELECTRICAL WIRING DIAGRAM

3.0 - 5.0 TON
 PACKAGE AIR CONDITIONER
 W/PSC BLOWER MOTOR
 3 PH, 208/230 VOLT - 60HZ

DR. BY: [] DATE: []
 APP. BY: [] DATE: []
 PB [] DWG. NO. 90-23637-04
 REV 09

WIRING INFORMATION

LINE VOLTAGE
 -FACTORY STANDARD
 -FACTORY OPTION
 -FIELD INSTALLED

LOW VOLTAGE
 -FACTORY STANDARD
 -FACTORY OPTION
 -FIELD INSTALLED

REPLACEMENT WIRE
 -MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL (105 C° MIN.)
 -CABINET MUST BE PERMANENTLY GROUNDED AND CONFORM TO I.E.C., N.E.C., C.E.C. AND LOCAL CODES AS APPLICABLE.

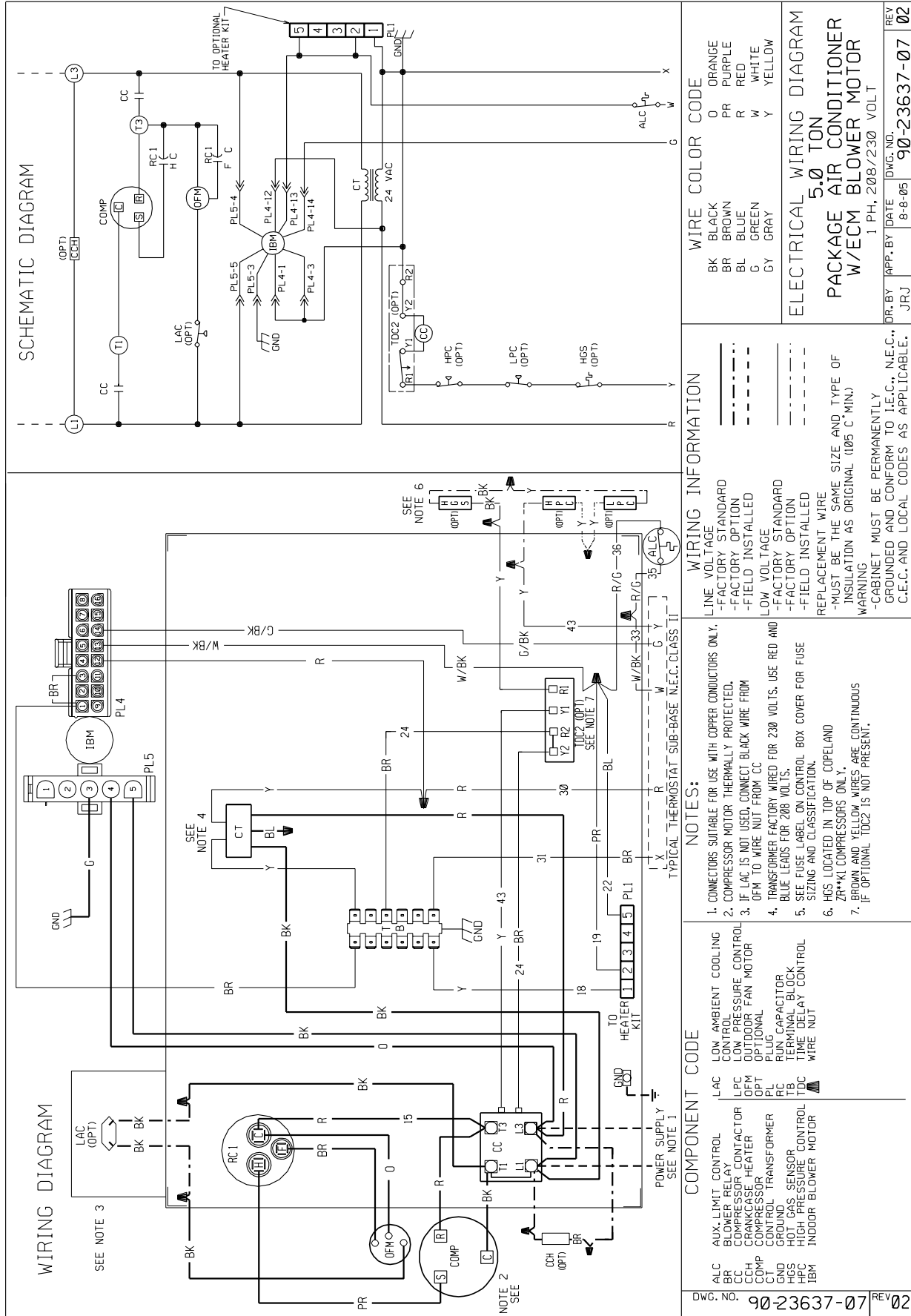
NOTES:

- CONNECTORS SUITABLE FOR USE WITH COPPER CONDUCTORS ONLY.
- COMPRESSOR MOTOR THERMALLY PROTECTED.
- IF LAC IS NOT USED, CONNECT BLACK WIRE FROM OFM TO WIRE NUT FROM CC
- TRANSFORMER FACTORY WIRED FOR 230 VOLTS. USE RED AND BLUE LEADS FOR 208 VOLTS.
- SEE FUSE LABEL ON CONTROL BOX COVER FOR FUSE SIZING AND CLASSIFICATION.
- COMPRESSOR PROTECTED UNDER PRIMARY
- BROWN & YELLOW WIRES ARE CONTINUOUS IF OPTIONAL TDC2 IS NOT PRESENT.
- COMPRESSOR WIRES ARE ALL BLACK FOR UNITS WITHOUT MOLDED COMPRESSOR PLUG.

COMPONENT CODE

ALC	AUX. LIMIT CONTROL
BR	BLOWER RELAY
CC	COMPRESSOR CONTACTOR
CCH	CRANKCASE HEATER
COMP	COMPRESSOR
CT	CONTROL TRANSFORMER
GROUND	GROUND
HPC	HIGH PRESSURE CONTROL
IBM	INDOOR BLOWER MOTOR
LAC	LOW AMBIENT COOLING CONTROL
LPC	LOW PRESSURE CONTROL
OFM	OUTDOOR FAN MOTOR
OPT	OPTIONAL
PL	PLUG
RUN	RUN CAPACITOR
TERMINAL BLOCK	TERMINAL BLOCK
TDC	TIME DELAY CONTROL WIRE NUT

90-23637-04 REV 09



SCHEMATIC DIAGRAM

WIRING DIAGRAM

WIRE COLOR CODE	
BK	BLACK
BR	BROWN
BL	BLUE
G	GREEN
GY	GRAY
O	ORANGE
PR	PURPLE
R	RED
W	WHITE
Y	YELLOW

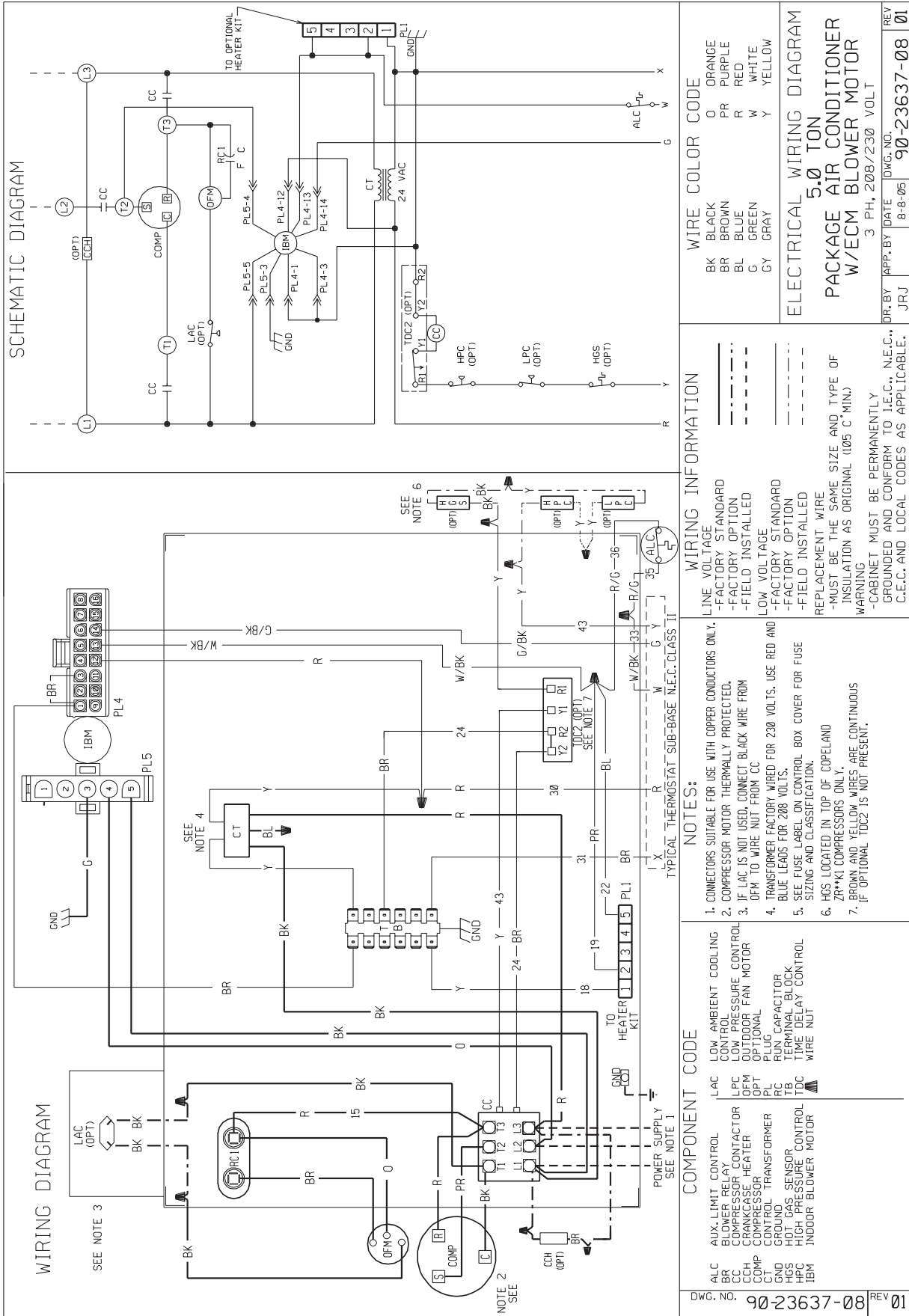
ELECTRICAL WIRING DIAGRAM
5.0 TON
PACKAGE AIR CONDITIONER
W/ECM BLOWER MOTOR
 1 PH, 208/230 VOLT

- NOTES:**
- CONNECTORS SUITABLE FOR USE WITH COPPER CONDUCTORS ONLY.
 - COMPRESSOR MOTOR THERMALLY PROTECTED.
 - IF LAC IS NOT USED, CONNECT BLACK WIRE FROM OFM TO WIRE NUT FROM CC
 - TRANSFORMER FACTORY WIRING FOR 230 VOLTS. USE RED AND BLUE LEADS FOR 208 VOLTS.
 - SEE FUSE LABEL ON CONTROL BOX COVER FOR FUSE SIZING AND CLASSIFICATION.
 - ZRY*MI COMPRESSORS ONLY.
 - BROWN AND YELLOW WIRES ARE CONTINUOUS.
 - IF OPTIONAL TDC2 IS NOT PRESENT.

COMPONENT CODE	
ALC	AUX. LIMIT CONTROL
BR	BLOWER RELAY
CC	COMPRESSOR CONTACTOR
CH	CRANKCASE HEATER
CHP	CRANKCASE HEATER PUMP
CT	CONTROL TRANSFORMER
GND	GROUND
HGS	HOT GAS SENSOR
HPC	HIGH PRESSURE CONTROL
IBM	INDOOR BLOWER MOTOR
LAC	LOW AMBIENT COOLING CONTROL
LPC	LOW PRESSURE CONTROL
OFM	OPTIONAL FAN MOTOR
PLUG	OPTIONAL PLUG
PI	CONTROL TRANSFORMER
RC	RUN CAPACITOR
TB	TERMINAL BLOCK
TDC	TIME DELAY CONTROL
WIRE NUT	WIRE NUT

DWG. NO. **90-23637-07** REV **02**

DR. BY **JRJ** APP. BY **JRJ** DATE **8-8-05** DWG. NO. **90-23637-07** REV **02**



BEFORE PURCHASING THIS APPLIANCE, READ IMPORTANT ENERGY COST AND EFFICIENCY INFORMATION AVAILABLE FROM YOUR RETAILER.

GENERAL TERMS OF LIMITED WARRANTY

Rheem will furnish a replacement for any part of this product which fails in normal use and service within the applicable periods stated, in accordance with the terms of the limited warranty.

For Complete Details of the Limited Warranty, Including Applicable Terms and Conditions, See Your Local Installer or Contact the Manufacturer for a Copy.

Condenser Coil and Evaporator Coil leaks caused by factory defectsFive (5) Years
Compressor.....Five (5) Years
Any Other Part
1-Phase ModelsFive (5) Years
3-Phase Models.....One (1) Year

Before proceeding with installation, refer to installation instructions packaged with each model, as well as complying with all Federal, State, Provincial, and Local codes, regulations, and practices.

**RHEEM
AIR CONDITIONING
DIVISION**

5600 Old Greenwood Road, Fort Smith, Arkansas 72908



"In keeping with its policy of continuous progress and product improvement, Rheem reserves the right to make changes without notice."